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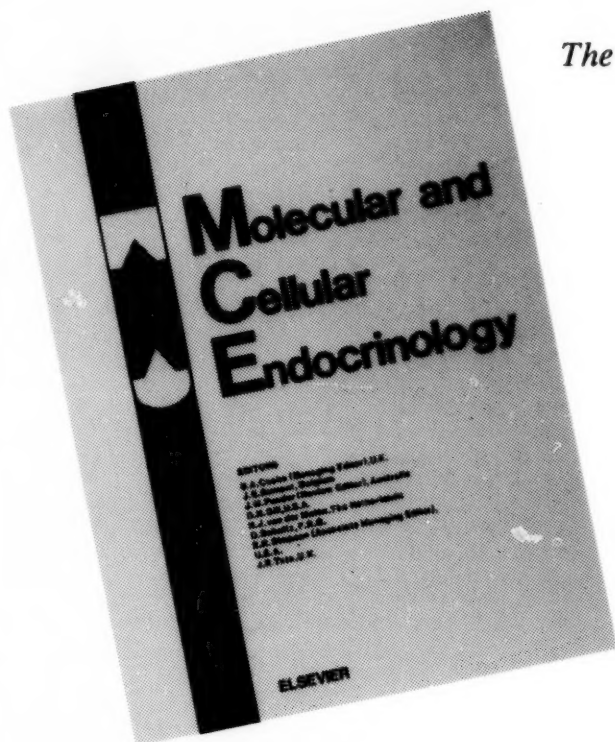
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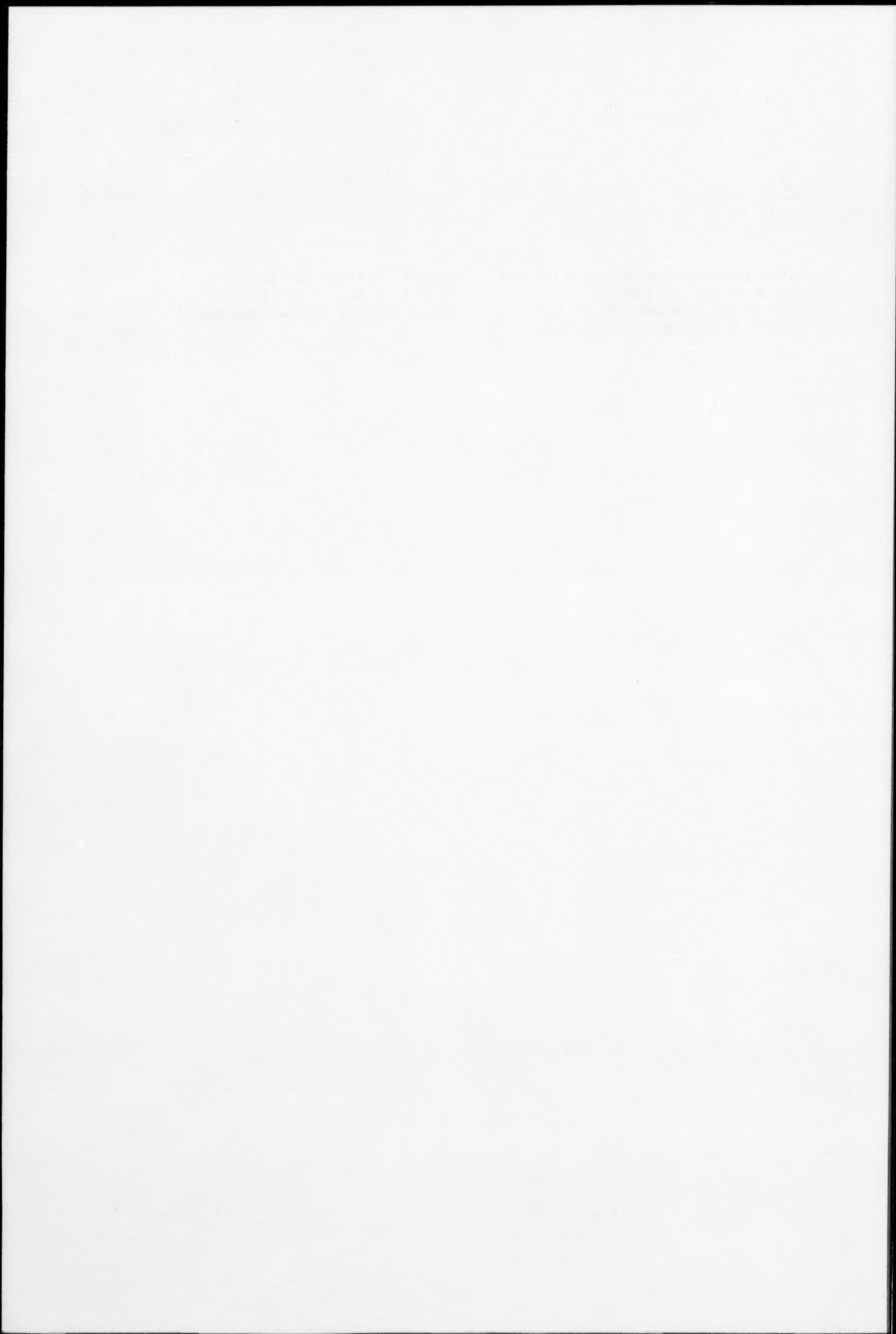
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$\alpha$ -Amylase; Affinity chromatography; Synthesis; Pancreatic; Pancreatitis (Ogden, J.M. (180) 129)

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Diabetes mellitus; Glucose; Non-esterified fatty acids (Akanji, A.O. (185) 25)

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## Activated monocyte

2-Methyl-6[*p*-methoxyphenyl]3,7-dihydroimidazo[1,2- $\alpha$ ]pyrazin-3-one; Chemiluminescence; Activated granulocyte; Superoxide anion (Nishida, A. (179) 177)

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Isozyme; Immunoassay; Tissue-distribution (Haimoto, H. (181) 27)

**Alkaline phosphatase**

Allelic form; Sugar chain; Lectin affinity chromatography (Human placentas) (Sato, M. (178) 101)

Osteocalcin; Tc-99 MDP; Age; Bone (Worsfold, M. (178) 225)

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Three dimensional structure; Structure refinement; Prediction (Kim, E.E. (186) 175)

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Phosphatidylinositol; Phospholipase (Hamilton, B.A. (186) 249)

Human lung (Hirano, K. (186) 265)

Peritoneal fluid; Endometriosis (Kang, J.O. (186) 285)

Fibroblast; Gastric carcinogenesis; Ossification (rat) (Hirota, N. (186) 301)

Enzyme immunoassay; Radioimmunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

**Alkaline phosphatase (AP)**

Placental-like AP; Sugar moiety; Metastatic potential; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

**Alkaline phosphatase heterogeneity**

Amniotic fluid; Fetal enzyme assay; Intestinal alkaline phosphatase (Verpooten, G.F. (186) 225)

**Allele specific oligonucleotide analysis**

Biotinylated oligonucleotides; Enzymatic amplification; Polymerase chain reaction (PCR);  $\alpha$ -1-Antitrypsin (Gregersen, N. (182) 151)

**Allelic form**

Alkaline phosphatase; Sugar chain; Lectin affinity chromatography (Human placentas) (Sato, M. (178) 101)

**Allopurinol**

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**Aluminium**

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**Aluminum**

Absorption; Ferritin (Cochran, M. (178) 79)

**Amiloride**

Ageing; Erythrocyte; Phloretin; Sodium transport (Carr, S. (178) 51)

**Amino acid**

HPLC; Inborn error; Blood (Ho, J.W. (185) 197)

**Amino acids**

Reference values; Cerebrospinal fluid; Childhood; Ion-exchange chromatography with fluorimetric detection (Gerrits, G.P. (182) 271)

**Amino acid sequence**

Placental protein 14; Amniotic fluid; Endometrial protein; Protein purification; Progesterone-dependent endometrial protein (Riittinen, L. (184) 19)

**Aminopeptidase**

Isozyme; Liver disease; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

**Amniotic fluid**

Phospholipid; Cold acetone precipitation; Surfactant (Budria, R.J. (180) 141)

Angiotensinogen; Decidua; Placenta; Renin substrate (Metsärinne, K. (180) 221)

Cobalamin; Intrinsic factor; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

Placental protein 14; Endometrial protein; Protein purification; Amino acid sequence; Progesterone-dependent endometrial protein (Riittinen, L. (184) 19)

Oxalate; Ion-chromatography; Hyperoxaluria (Wandzilak, T.R. (185) 131)

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**AMP Deaminase**

Erythrocyte; Assay (Dale, G.L. (182) 1)

**Amylase**

Pancreatitis; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

 **$\alpha$ -Amylase**

Acarbose; Affinity chromatography; Synthesis; Pancreatic; Pancreatitis (Ogden, J.M. (180) 129)

Pancreas; Isoenzyme; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)

**Amylase isoenzyme**

Pancreatitis; Amylase; Lipase; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

**Amyotrophic lateral sclerosis**

NMR relaxation; Erythrocyte membrane; Water exchange (Monti, J.P. (185) 53)

**Analysis**

Ethylene glycol; Alcohol oxidoreductase; Glycolaldehyde; Ethanol (Hansson, P. (182) 95)

**Anaphylatoxin**

Complement; Exercise (Dufaux, B. (179) 45)

**Androstenedione**

Lipoprotein; Cortisol; Adrenal cortex; Triglyceride; Cholesterol (Nanjee, M.N. (180) 113)

Metabolism; Placenta; Aromatization; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

**Anemia**

Erythrocyte protoporphyrin; Hemoglobin; Heme; Hematocrit (Harada, K. (180) 87)

**Angiotensin**

Renin; Bradykinin; Angiotensin I-converting enzyme (kininase II); Catecholamine (Yamamoto, T. (181) 197)

**Angiotensin I-converting enzyme (kininase II)**

Renin; Angiotensin; Bradykinin; Catecholamine (Yamamoto, T. (181) 197)

**Angiotensinogen**

Amniotic fluid; Decidua; Placenta; Renin substrate (Metsärinne, K. (180) 221)



**Animal models**

Hyperlipidemia; Hypocholesterolemic; 7-Acyl-1,4-benzoxazinone (Moussavi, Z. (180) 35)

**ANS**

Anti-thyroid hormone antibody; T<sub>3</sub>; T<sub>4</sub> (Matsuda, M. (185) 139)

**Antibody**

Enzyme immunoassay; Enzyme-labelling;  $\beta$ -D-Galactosidase; Peroxidase; Antigen (Ishikawa, E. (185) 223)

**Antibody-lectin enzyme immunoassay**

$\alpha$ -Fetoprotein; Sugar chain; Liver disease (Kinoshita, N. (179) 143)

**Anticonvulsant**

Carnitine deficiency; Valproic acid (Rodriguez-Segade, S. (181) 175)

**Antigen**

Enzyme immunoassay; Enzyme-labelling;  $\beta$ -D-Galactosidase; Peroxidase; Antibody (Ishikawa, E. (185) 223)

**Antigenicity of PSTI complexed with trypsin**

Human pancreatic secretory trypsin inhibitor (PSTI); Enzyme immunoassay; Monoclonal antibody (Kurobe, M. (178) 205)

**Antigliadin antibodies**

Coeliac disease; ELISA; IgA isotyping; Screening (Elewaut, A. (183) 285)

**Anti-inflammatory**

Interleukin-1; Fibroblasts; PGE<sub>2</sub>; Assay automation (Maloff, B.L. (180) 73)

**Antimitochondrial antibodies**

Primary biliary cirrhosis; Radioimmunoassay; Enzyme immunoassay (Plebani, M. (181) 201)

**Antimony**

Leishmaniasis; Hair; Therapy; Neutron activation analysis (Jose, (179) 341)

**Antioxidant enzyme**

Red blood cell; Lipid peroxidation comparison; Pretreatment with Oradexone and Ambroxol (Novák, Z. (182) 241)

**Anti-pseudouridine monoclonal antibody**

Modified nucleoside; Pseudouridine; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

**Antithyroglobulin antibody**

Autoimmune thyroiditis; Thyroid antimicrosomal antibody; Comparison of method (Engler, H. (179) 251)

**Anti-thyroid hormone antibody**

T<sub>3</sub>; T<sub>4</sub>; ANS (Matsuda, M. (185) 139)

**alpha-1-Antitrypsin**

Isoelectric focusing; Penicillamine; Sulphydryl group (Whitehouse, D.B. (179) 109)

Biotinylated oligonucleotides; Enzymatic amplification; Polymerase chain reaction (PCR); Allele specific oligonucleotide analysis (Gregersen, N. (182) 151)

**Apo A-I**

High density lipoprotein; High density lipoprotein subfractions; Clomipramine (Skinner, E.R. (184) 147)

**Apo A-I-containing lipoprotein**

Formyl-cellufine; Affinity chromatography; Apolipoprotein; Lipoprotein (Ohta, T. (179) 183)

**Apo A-I, rabbit and human**

Monoclonal antibody; Enzyme-linked immunosorbent assay, ELISA (Leroy, A. (179) 85)

**Apolipoprotein**

Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Formyl-cellufine; Affinity chromatography; Lipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

**Apolipoprotein A-I**

ELISA; Immunoquantitation; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

Infantile visceral Leishmaniasis; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

**Apolipoprotein A-II**

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein B; Plasma lipoprotein; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

**Apolipoprotein A-I, immunoreactivity of**

Apolipoprotein A-I measurement, storage effects on; Temperature and apolipoprotein A-I measurement; ELISA measurement of apolipoprotein A-I (Wang, X.L. (179) 285)

**Apolipoprotein A-I measurement, storage effects on**

Apolipoprotein A-I, immunoreactivity of; Temperature and apolipoprotein A-I measurement; ELISA measurement of apolipoprotein A-I (Wang, X.L. (179) 285)

**Apolipoprotein B**

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Plasma lipoprotein; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

Non-enzymatic glycosylation or glycation; Affinity chromatography; Immunoturbidimetry; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

**Apolipoprotein measurement**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

**Apolipoprotein standardization**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement (Bachorik, P.S. (178) 1)

**Arachidonic acid**

Insulin receptor; Linoleic acid (Pelikánová, T. (179) 197)

**Argininosuccinate synthase**

Citrulline; Citrullinemia (Ben-Yoseph, Y. (183) 125)

**Ariboflavinosis**

Inhibition; Erythrocyte glutathione reductase; Mitomycin-C; FAD (Okuda, J. (181) 37)

**Aromatization**

Metabolism; Androstenedione; Placenta; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

**Artefacts**

Erythrocyte; Hemolysate; Transketolase; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

**Arthritis**

Polyethylene glycol; Fibronectin; Immune complexes; Synovial fluid (Griffiths, A.M. (184) 133)

**Aryl acylamidase**

Acetylcholinesterase; Butyrylcholinesterase; Human cerebrospinal fluid; Human serum (Rao, R.V. (183) 135)

**Arylesterase**

Myocardial infarction (Secchiero, S. (183) 71)

**Ascites**

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

**Ascorbate**

Oxalate; Oxalogenesis; Bioluminescence (Parkinson, I.S. (179) 97)

**Ascorbate oxidase**

Plasma oxalate; Oxalate oxidase; Chronic renal failure; Vitamin C (Rolton, H.A. (182) 247)

**Ascorbic acid**

Capillary fragility; Cholesterol; Hemodialysis; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

**Assay**

Serum lipoprotein; Variability; Storage; Accuracy; Precision (Tiedink, H.G.M. (180) 147)

AMP Deaminase; Erythrocyte (Dale, G.L. (182) 1)

Carnitine; Tandem mass spectrometry (Kodo, N. (186) 383)

**Assay automation**

Interleukin-1; Anti-inflammatory; Fibroblasts; PGE<sub>2</sub> (Maloff, B.L. (180) 73)

**Asthma**

$\alpha_2$ -Macroglobulin; Elastase; Chronic obstructive pulmonary disease (Kilroe-Smith, T.A. (185) 81)

**AST-isozyme**

Ischemia; Mitochondrial AST; Bleb (Kamiike, W. (185) 265)

**Atherosclerosis**

Fibronectin; Lipoprotein; Radioimmunoassay (Cseh, K. (182) 75)

High density lipoprotein; Cholesteryl ester transfer; Peripheral vascular disease; Cholesterol; Triglyceride (Rühling, K. (184) 289)

Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Diabetes (Kortlandt, W. (186) 109)

**Atrial natriuretic peptide**

Radioimmunoassay; Exercise; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

**Autoantibody**

3,3',5-Triiodothyronine; Hashimoto's thyroiditis (Muratsugu, M. (178) 171)

**Autoimmune thyroiditis**

Antithyroglobulin antibody; Thyroid antimicrosomal antibody; Comparison of method (Engler, H. (179) 251)

**Automated enzyme assay**

Intestinal permeability; Mannitol (Lunn, P.G. (183) 163)

**Automated procedure**

$\beta$ -D-N-Acetylglucosaminidase isozyme; Human plasma; Pregnancy (Goi, G. (179) 327)

# B

## Bacterial luciferase

Bioluminescent assay; Adenosine deaminase activity; Immobilized enzyme; Photon counting; Continuous-flow system (Oda, K. (185) 17)

## Bacterial protease

Molecular mechanisms; Pathogenesis; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

## Behçet's disease

Medullasin; Enzyme immunoassay; Multiple sclerosis (Aoki, Y. (178) 193)

## Betaine

Nuclear magnetic resonance; Choline; Methyltransferase; Pediatrics (Davies, S.E.C. (178) 241)

## Biantennary glycan content

$\alpha$ 1-Acid glycoprotein; Rat; Inflammation; Con A affinity; Crossed affino immunoelectrophoresis (Pos, O. (184) 121)

## Bicarbonate

Carbon dioxide tension; Physiological salt solutions (Abrahamsen, J. (185) 1)

## Bile

Fluorescence; Biliary protein (Harvey, P.R.C. (183) 147)

Glutathione S-transferase; Radioimmunoassay; Human; Bile salts (Howie, A.F. (184) 269)

## Bile acid

Gastrotoxicity; Duodenogastric reflux; Rat; Deoxycholic acid; Gastric; Stomach (Armstrong, D. (178) 313)

## Bile acid sequestrant therapy

Hydroxycholesterol; Lipid; Lipoprotein; Serum; Hypercholesterolemia (Van Doormaal, J.J. (181) 273)

## Bile acid, serum unconjugated, conjugated, and primary

Small bowel bacterial overgrowth; [ $^{14}$ C]Glycocholate breath test; Enzymatic fluorimetry;

Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

## Bile cholesterol gallstone

Cholesterol; Monomer activity; Nucleation time (Chijiwa, K. (178) 181)

## Bile salts

Glutathione S-transferase; Radioimmunoassay; Human; Bile (Howie, A.F. (184) 269)

## Biliary lipid

Viscous fibre; Guar gum; Cholesterol synthesis; Fecal steroid; Cholesterol precursor (Miettinen, T.A. (183) 253)

## Biliary protein

Fluorescence; Bile (Harvey, P.R.C. (183) 147)

Cholesterol nucleation (Harvey, P.R.C. (185) 185)

## Bilirubin

Fructosamine; Hypoalbuminemia; Renal failure (Dominiczak, M.H. (182) 123)

Monoclonal antibody; Immunoaffinity chromatography (Izumi, Y. (184) 99)

## Binding protein assay

Hyaluronic acid; Rheumatoid arthritis; Hyaluronic acid binding protein (Chichibu, K. (181) 317)

## Bioassay

Urinary kallikrein; Trypsin activation; Radioimmunoassay; Essential hypertension (Maier, M. (178) 127)

## Bioimmunoassay

Urinary antithrombin III related antigen; Immunoblot; Liver cirrhosis (Ueshima, S. (180) 79)

## Biological fluid

Electrothermal vaporization; Inductively coupled mass spectrometry; Tellurium (Newman, R.A. (179) 191)



**Bioluminescence**

gamma-gamma Enolase; Neuron specific enolase; Cerebrospinal fluid (Wevers, R.A. (178) 141)

Oxalate; Oxalogenesis; Ascorbate (Parkinson, I.S. (179) 97)

**Bioluminescent assay**

Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Photon counting; Continuous-flow system (Oda, K. (185) 17)

**Biotinidase**

Thermal inactivation; HPLC assay (Hayakawa, K. (178) 95)

**Biotinylated oligonucleotides**

Enzymatic amplification; Polymerase chain reaction (PCR); Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

**Bleb**

Ischemia; AST-isozyme; Mitochondrial AST (Kamiike, W. (185) 265)

**Bleeding**

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

**Blood**

Bone-marrow; Class II; MHC; Transplantation (Thompson, S. (185) 45)

HPLC; Amino acid; Inborn error (Ho, J.W. (185) 197)

**Blood analysis**

Gonadotrophin; Pituitary; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**Blood sampling condition**

Atrial natriuretic peptide; Radioimmunoassay; Exercise (Tan, A.C.I.T.L. (179) 1)

**Blood serum**

Lectin; Haptoglobin; ELISA (Thompson, S. (180) 277)

**B lymphocyte**

Monoclonal gammopathy; M-protein (Osterland, C.K. (180) 1)

**Bone**

Osteocalcin; Alkaline phosphatase; Tc-99 MDP; Age (Worsfold, M. (178) 225)

Aluminium; Hair; Serum; Histomorphometry (Chappuis, P. (179) 271)

**Bone Gla protein (osteocalcin)**

Competition ELISA; Sex and age differences (Egsmose, C. (184) 279)

**Bone-marrow**

Blood; Class II; MHC; Transplantation (Thompson, S. (185) 45)

**Bone resorption**

Carboxyglutamic acid; GLA; Osteocalcin; HPLC (Fournier, B. (182) 173)

**Bradykinin**

Renin; Angiotensin; Angiotensin I-converting enzyme (kininase II); Catecholamine (Yamamoto, T. (181) 197)

**Branched-chain L-amino acid**

Maple syrup urine disease — analysis of: Skin fibroblast culture; Branched-chain 2-oxo acid (Schadewaldt, P. (184) 47)

**Branched-chain 2-oxo acid**

Ketosisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

Maple syrup urine disease — analysis of: Skin fibroblast culture; Branched-chain L-amino acid (Schadewaldt, P. (184) 47)

**Breast cancer**

Fibronectin; Plasma; Laser nephelometry (Rueland, A. (178) 283)

Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Breath**

Trihalomethane; Hemodialysis; Dialysate (Cailleux, A. (180) 303)

**Bromide**

Fluorescein; Spectrophotometry (Trapp, S.A. (181) 207)

**Bromophenacyl bromide**

Propionate; Stable isotope; Plasma (Walter, J.H. (182) 141)

**Bronchoalveolar fluid**

Corticosteroid-binding globulin; Characterization (Loric, S. (186) 19)

**Bronchoalveolar lavage fluid**

Pulmonary alveolar proteinosis; Pulmonary surfactant; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

**Brush border enzyme**

Urinary lysosomal enzyme; Renovascular surgery; NAG; AAP; GGT;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

**2,3-Butanediol**

Acetoin; Capillary gas chromatography; Mass spectrometry; Gut bacteria; Premature baby (Mills, G.A. (179) 51)

**Butyrate**

Pharmacokinetics; Experimental animal; Man (Daniel, P. (181) 255)

**Butyrylcholinesterase**

Acetylcholinesterase; Aryl acylamidase; Human cerebrospinal fluid; Human serum (Rao, R.V. (183) 135)

# C

## CA54/61

Placental alkaline phosphatase (PLAP); CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

## CA125

Placental alkaline phosphatase (PLAP); CA54/61; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

## Ca antigen

Malignant breast disease (Searle, F. (186) 351)

## Caffeine

Enzyme multiplied immunoassay test (EMIT); Liver drug-metabolizing enzyme function (Varagnolo, M. (183) 91)

## Calcium

Oxalate; Inhibitor; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

## Calcium absorption

Calcium isotope techniques (Miller, J.Z. (183) 107)

## Calcium binding

[<sup>14</sup>C]calcium oxalate (Geller, D.A. (182) 255)

## Calcium isotope techniques

Calcium absorption (Miller, J.Z. (183) 107)

## [<sup>14</sup>C]calcium oxalate

Calcium binding (Geller, D.A. (182) 255)

## Campesterol

Squalene; Lathosterol; Desmosterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

## Cancer

Cervix; Diene conjugation; Octadeca-9,11-dienoic acid (Parham, D.M. (182) 289)

Phospholipase A; Pancreatitis; Inflammation; Septicemia; Myocardial infarction (Hoffmann, G.E. (183) 59)

Deoxyribonuclease I; Radioimmunoassay; Enzymatic assay; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

## CAPD

Carbamylated haemoglobin; Chronic renal failure; Haemodialysis; Transplantation (Smith, W.G.J. (178) 297)

$\alpha_1$ -Acid glycoprotein; Microheterogeneity; Renal failure (Fraeyman, N.H. (181) 47)

## Capillary fragility

Ascorbic acid; Cholesterol; Hemodialysis; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

## Capillary gas chromatography

2,3-Butanediol; Acetoin; Mass spectrometry; Gut bacteria; Premature baby (Mills, G.A. (179) 51)

## N-Carbamoylsarcosine amidohydrolase

Creatinine analysis; Enzymatic analysis; Creatinine deiminase; N-Methylhydantoin amidohydrolase (Shimizu, S. (185) 241)

## Carbamylated haemoglobin

Chronic renal failure; CAPD; Haemodialysis; Transplantation (Smith, W.G.J. (178) 297)

## Carbohydrate

alpha 1-Acid glycoprotein; Microheterogeneity; Liver disease; Fucose (Biou, D. (186) 59)

## Carbon dioxide tension

Bicarbonate; Physiological salt solutions (Abrahamsen, J. (185) 1)

## Carbonyldiimidazole

Dynospheres<sup>®</sup>; Tosyl chloride; Solid-phase antibody; Immunopurification (McConway, M.G. (179) 265)

## Carboxyglutamic acid

GLA; Osteocalcin; Bone resorption; HPLC (Fournier, B. (182) 173)

**Carboxylesterase**

Cholesterol acyltransferase; Human liver microsomes; Ischaemia; Acyl-CoA hydrolase (Smith, J.L. (184) 259)

**Carnitine**

Serum; Urine; Spectrophotometric assay (Schäfer, J. (182) 87)

Carnitine metabolism; Carnitine functions; Carnitine transport; Carnitine deficiencies (Siliprandi, N. (183) 3)

Assay; Tandem mass spectrometry (Kodo, N. (186) 383)

**Carnitine deficiencies**

Carnitine; Carnitine metabolism; Carnitine functions; Carnitine transport (Siliprandi, N. (183) 3)

**Carnitine deficiency**

Valproic acid; Anticonvulsant (Rodriguez-Segade, S. (181) 175)

**Carnitine functions**

Carnitine; Carnitine metabolism; Carnitine transport; Carnitine deficiencies (Siliprandi, N. (183) 3)

**Carnitine metabolism**

Carnitine; Carnitine functions; Carnitine transport; Carnitine deficiencies (Siliprandi, N. (183) 3)

**Carnitine transport**

Carnitine; Carnitine metabolism; Carnitine functions; Carnitine deficiencies (Siliprandi, N. (183) 3)

**Cartilage**

Collagenase; Direct extraction; Osteoarthritis (Blanckaert, A. (185) 73)

**Catabolism**

Phospholipids storage; Lysosome (Bargal, R. (181) 167)

**Catalase**

Acute pancreatitis; Hemolysis; Serum catalase disappearance (Góth, L. (186) 39)

**Catecholamine**

Renin; Angiotensin; Bradykinin; Angiotensin I-converting enzyme (kininase II) (Yamamoto, T. (181) 197)

**Cation**

Transport; Fatty acid; Lipid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**C4b-binding protein**

Protein S; Free protein S; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

**C4b-BP-protein S complexes**

Protein S; ELISA; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**CEDIA**

Non-isotopic immunoassay; Homogenous enzyme immunoassay;  $\beta$ -Galactosidase (Khanna, P.L. (185) 231)

**Celiac disease**

Gliadin; Gluten; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

**c-erbB-2**

Breast cancer; Proto-oncogenes; *int-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Cerebral infarction**

Lp(a) lipoprotein; Lipoprotein electrophoresis; Myocardial infarction (Kawakami, K. (185) 147)

**Cerebrospinal fluid**

gamma-gamma Enolase; Bioluminescence; Neuron specific enolase (Wevers, R.A. (178) 141)

ELISA; Free immunoglobulin kappa light chains; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

Amino acids; Reference values; Childhood; Ion-exchange chromatography with fluorimetric detection (Gerrits, G.P. (182) 271)

**Cerebrospinal fluid DOPA**

3,4-Dihydroxyphenylalanine; Plasma DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

**Cervical intra-epithelial neoplasia**

Octadeca-9,11-dienoic acid; Free radical (Fairbank, J. (186) 53)



**Cervix**

Cancer; Diene conjugation; Octadeca-9,11-dienoic acid (Parham, D.M. (182) 289)

**[<sup>14</sup>C]Glycocholate breath test**

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; Enzymatic fluorimetry; Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

**Characterization**

Corticosteroid-binding globulin; Bronchoalveolar fluid (Loric, S. (186) 19)

**Charge**

Heterogeneity; Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Glycosylation (Koshida, K. (186) 255)

**Charge isoform**

Acid Phosphatase, prostatic-type; Isoenzyme; Glycoprotein (Morris, M.F. (182) 9)

**Chemiluminescence**

Parathyroid hormone; Immunoassay; Primary hyperparathyroidism (St. John, A. (178) 215)

2-Methyl-6[*p*-methoxyphenyl]3,7-dihydroimidazo[1,2- $\alpha$ ]pyrazin-3-one; Activated granulocyte; Activated monocyte; Superoxide anion (Nishida, A. (179) 177)

Urinary albumin; Acridinium ester; Particle, paramagnetic; Immunoassay (Horton, J.K. (186) 45)

Free thyroxine; Equilibrium dialysis (Beaman, J. (186) 83)

**Childhood**

Amino acids; Reference values; Cerebrospinal fluid; Ion-exchange chromatography with fluorimetric detection (Gerrits, G.P. (182) 271)

**Children**

CSF-albumin; Reference values; Multiple sclerosis; Meningitis (Öhman, S. (181) 265)

**Choledochocaval fistula**

Cholestasis; Enzyme activities, Mechanisms of increase (Putzki, H. (181) 81)

**Cholestasis**

Choledochocaval fistula; Enzyme activities, Mechanisms of increase (Putzki, H. (181) 81)

Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

**Cholesterol**

Monomer activity; Nucleation time; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

Diabetes mellitus (insulin-dependent); Low density lipoprotein (Winocour, P.H. (179) 79)

Erythrocyte; Plasma lipoprotein; Sick cell anemia (Ngogang, J. (179) 295)

Lipoprotein; Cortisol; Androstenedione; Adrenal cortex; Triglyceride (Nanjee, M.N. (180) 113)

Ascorbic acid; Capillary fragility; Hemodialysis; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

High density lipoprotein; Cholesteryl ester transfer; Atherosclerosis; Peripheral vascular disease; Triglyceride (Rühling, K. (184) 289)

**Cholesterol acyltransferase**

Human liver microsomes; Ischaemia; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

**Cholesterol nucleation**

Biliary protein (Harvey, P.R.C. (185) 185)

**Cholesterol precursor**

Viscous fibre; Guar gum; Cholesterol synthesis; Fecal steroid; Biliary lipid (Miettinen, T.A. (183) 253)

**Cholesterol synthesis**

Viscous fibre; Guar gum; Fecal steroid; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

**Cholesterol synthesis in man**

HMG-CoA reductase activity (Carulli, N. (183) 77)

**Cholesteryl ester transfer**

High density lipoprotein; Atherosclerosis; Peripheral vascular disease; Cholesterol; Triglyceride (Rühling, K. (184) 289)

**Choline**

Betaine; Nuclear magnetic resonance; Methyltransferase; Pediatrics (Davies, S.E.C. (178) 241)

**Chromate inhibition test**

Glucose-6-phosphate dehydrogenase deficiency; Spectrophotometric enzyme assay; Cytochemical assay (Jonges, G.N. (181) 135)

**Chromatofocussing**

Fibrinogen; Dysfibrinogenemia; Agarose gel isoelectrofocussing (Fernández, F.J. (179) 239)

**Chromium-51**

Erythrocyte life span; Isotope, nonradioactive (Dever, M. (181) 337)

**Chromogenic method**

Plasminogen activators; Plasmin; Corneal and conjunctival diseases; Tears (Tözsér, J. (183) 323)

**Chronic obstructive pulmonary disease**

Asthma;  $\alpha_2$ -Macroglobulin; Elastase (Kilroe-Smith, T.A. (185) 81)

**Chronic renal failure**

Carbamylated haemoglobin; CAPD; Haemodialysis; Transplantation (Smith, W.G.J. (178) 297)

Plasma oxalate; Oxalate oxidase; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

Neuropeptide Y (NPY); Radioimmunoassay; Uremia; Pheochromocytoma (Stridsberg, M. (185) 61)

Lipid peroxidation; Vitamin E (Yalçın, A.S. (185) 109)

**Circadian variations**

Electrolyte; Seasonal variations; Aging; Reference values (Touitou, Y. (180) 245)

**Circulating immune complexes**

Aggregation; IgG (Levinson, S.S. (182) 21)

**Cirrhosis**

Selenium; Liver; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

N-Acetylglucosaminyltransferase III; Hepatoma; Human (Ishibashi, K. (185) 323)

**Citrulline**

Argininosuccinate synthase; Citrullinemia (Ben-Yoseph, Y. (183) 125)

**Citrullinemia**

Argininosuccinate synthase; Citrulline (Ben-Yoseph, Y. (183) 125)

**CK-BB**

Tumor marker; Neoplastic disease (Arenas, J. (182) 183)

**Class II**

Blood; Bone-marrow; MHC; Transplantation (Thompson, S. (185) 45)

**Clomipramine**

High density lipoprotein; High density lipoprotein subfractions; Apo A-I (Skinner, E.R. (184) 147)

**c-myc**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Cobalamin**

Amniotic fluid; Intrinsic factor; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

**Coeliac disease**

Antigliadin antibodies; ELISA; IgA isotyping; Screening (Elewaut, A. (183) 285)

**Cold acetone precipitation**

Phospholipid; Amniotic fluid; Surfactant (Budria, R.J. (180) 141)

**Collagen**

Rheumatic disease (Myllylä, R. (183) 243)

**Collagenase**

Direct extraction; Cartilage; Osteoarthritis (Blanckaert, A. (185) 73)

**Collagenase inhibitor**

Latent collagenase; Trypsin activation; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

**Colorimetry**

Serum copper; Highly sensitive reagent; Pediatric chemistry (Makino, T. (185) 7)

**Comparison of method**

Autoimmune thyroiditis; Antithyroglobulin antibody; Thyroid antimicrosomal antibody (Engler, H. (179) 251)

**Competition ELISA**

Bone Gla protein (osteocalcin); Sex and age differences (Egsmose, C. (184) 279)

**Complement**

Anaphylatoxin; Exercise (Dufaux, B. (179) 45)

**Con A affinity**

$\alpha$ 1-Acid glycoprotein; Rat; Inflammation; Crossed affino immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

**Concanavalin A**

$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Tumor marker; Hepatocellular carcinoma (Yoshikawa, C. (185) 315)

**Continuous-flow system**

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Photon counting (Oda, K. (185) 17)

**Coproporphyrin**

Hemoglobin; Second derivative; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

**Corneal and conjunctival diseases**

Plasminogen activators; Plasmin; Chromogenic method; Tears (Tözsér, J. (183) 323)

**Coronary disease**

Apolipoprotein; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

**Coronary risk**

Apolipoprotein; Coronary disease; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

**Corticosteroid**

Saliva; Adrenal function (Bolufer, P. (183) 217)

**Corticosteroid-binding globulin**

Bronchoalveolar fluid; Characterization (Loric, S. (186) 19)

**Cortisol**

Lipoprotein; Androstenedione; Adrenal cortex; Triglyceride; Cholesterol (Nanjee, M.N. (180) 113)

**Coulometric electrochemical detector**

Glutathione; HPLC (Harvey, P.R.C. (180) 203)

**Coupled enzyme assay**

3-Methylglutaconyl-CoA hydratase; 3-Methylcrotonyl-CoA carboxylase; 3-Hydroxy-3-methylglutaryl-CoA lyase (Narisawa, K. (184) 57)

**C-reactive protein**

Immunometric assay (Shapiro, D. (180) 285)

**Creatine-kinase**

Duchenne muscular dystrophy (Passos-Bueno, M.R. (179) 163)

**Creatine kinase**

Intestine; Ischemia; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

**Creatine kinase BB isoenzyme**

Radioimmunoassay; Human placenta; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

**Creatinine analysis**

Enzymatic analysis; Creatinine deiminase; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Creatinine deiminase**

Creatinine analysis; Enzymatic analysis; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Crosby capsule**

Endoscopic biopsy; Disaccharidases; Hypolactasia (Smith, J.A. (183) 317)

**Crossed affino immunoelectrophoresis**

$\alpha$ 1-Acid glycoprotein; Rat; Inflammation; Con A affinity; Biantennary glycan content (Pos, O. (184) 121)

**CSF-albumin**

Reference values; Multiple sclerosis; Children; Meningitis (Öhman, S. (181) 265)

**CSF-IgM**

IgM-index; IgG-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

**Cystic fibrosis**

alpha-Glucosidase; Fibroblast; Lysosomal (Vladutiu, G.D. (178) 337)

Erythrocyte; Phosphoinositide; Phospholipase C (Doughney, C. (181) 55)

Free radicals; Linoleic acid isomer (Salh, B. (181) 65)

**Cystic fibrosis protein**

Lactoferrin; Serum; Plasma; Granulocyte (Barthe, C. (181) 183)

**<sup>35</sup>S-Cystine**

HPLC; Cystinosis; Prenatal diagnosis (Hall, N.A. (184) 1)

**Cystinosis**

HPLC; <sup>35</sup>S-Cystine; Prenatal diagnosis (Hall, N.A. (184) 1)

**Cytochemical assay**

Glucose-6-phosphate dehydrogenase deficiency; Chromate inhibition test; Spectrophotometric enzyme assay (Jonges, G.N. (181) 135)

**Cytochrome b<sub>5</sub>**

Erythrocyte diaphorase; NADH<sub>2</sub>; Ferricyanide; Methemoglobin; Reductase (Papandreou, P. (181) 189)

**Cytotoxicity**

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Secondary infection (Maeda, H. (185) 355)



# D

## Decarboxylation of histidine

Histamine; Histidinemia (Tanabe, M. (186) 11)

## Decidua

Amniotic fluid; Angiotensinogen; Placenta; Renin substrate (Metsärinne, K. (180) 221)

## Deoxycholic acid

Gastrotoxicity; Duodenogastric reflux; Rat; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

## 5'-Deoxy-5-fluorouridine

Pyrimidine nucleoside phosphorylase; Uridine; High-performance liquid chromatography (Laurense, E.J. (178) 71)

## Deoxynojirimycin

Diabetes; alpha-Glucosidase; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

## Deoxyribonuclease I

Radioimmunoassay; Enzymatic assay; Cancer; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

## Deoxyribonuclease I inhibitor

Deoxyribonuclease I; Radioimmunoassay; Enzymatic assay; Cancer (Miyauchi, K. (184) 115)

## Depressive disorder

Plasma dexamethasone; Dexamethasone suppression test (Lejeune-Lenain, C. (179) 13)

## Desmosterol

Squalene; Lathosterol; Campesterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

## Dexamethasone suppression test

Plasma dexamethasone; Depressive disorder (Lejeune-Lenain, C. (179) 13)

## Diabetes

Deoxynojirimycin; alpha-Glucosidase; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

Hypertension; Sodium influx; Sodium-Potassium pump; Furosemide; Erythrocyte (Chimori, K. (183) 263)

Glycated albumin; Monoclonal antibody; ELISA; Glycemic control (Hud, E. (185) 157)

Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Atherosclerosis (Kortlandt, W. (186) 109)

## Diabetes mellitus

Glucose; Acetate; Fatty acid, Non-esterified; Ketone bodies (Akanji, A.O. (178) 85)

Glucose; Acetate; Non-esterified fatty acids (Akanji, A.O. (185) 25)

Microalbuminuria; One-step sandwich enzyme immunoassay; Monoclonal antibody (Niwa, T. (186) 391)

## Diabetes mellitus (insulin-dependent)

Cholesterol; Low density lipoprotein (Winocour, P.H. (179) 79)

## Diabetic children

Glomerular filtration rate (Gibb, D.M. (182) 131)

## Diabetic nephropathy

Albuminuria; Proteinuria; Immunoassay (Neuman, R.G. (179) 229)

## Diabetic pregnancy

Serum fructosamine; N-acetyl-beta-Glucosaminidase; Albuminuria (Škrha, J. (182) 281)

## Diabetics

Whole blood glucose (Yamasaki, Y. (180) 93)

## Diagnosis

Enzyme; Isoenzyme; Mitochondria; Inborn errors of metabolism (Schmidt, F.W. (185) 253)

## Diagnostic characteristic

P-amylase immunoassay; Acute pancreatitis; Method comparison (Sacchetti, L. (183) 95)

## Diagnostic criteria

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Macroamylase; Pancreatic pseudocyst (Lott, J.A. (183) 33)



**Diagnostic test**

F protein; Liver disease (Foster, G.R. (184) 85)

**Dialysate**

Trihalomethane; Hemodialysis; Breath (Cailleux, A. (180) 303)

**Diene conjugation**

Cervix; Cancer; Octadeca-9,11-dienoic acid (Parham, D.M. (182) 289)

**Differential spectrophotometry**

Coproporphyrin; Hemoglobin; Second derivative; Meconium aspiration (Ficheux, H. (182) 53)

**Digestive cancer**

Enzyme-linked immunosorbent assay (ELISA); Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Monoclonal antibody (Oka, S. (182) 209)

**Dihydropteridine reductase**

Tetrahydrobiopterin; *Streptozotocin*; Neurotransmitter (Hamon, C.G. (181) 249)

**2,8-Dihydroxyadenine lithiasis**

High-performance liquid chromatography; Electrochemical detection; Adenine phosphoribosyltransferase deficiency (Kojima, T. (181) 109)

**3,4-Dihydroxyphenylalanine**

Plasma DOPA; Cerebrospinal fluid DOPA; 3-*O*-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

**4-Dimethylaminobenzaldehyde**

$\gamma$ -Glutamyltransferase activity;  $\gamma$ -Glutamyl-carboxyanilide; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

**4-Dimethylaminocinnamaldehyde**

$\gamma$ -Glutamyltransferase activity;  $\gamma$ -Glutamyl-carboxyanilide; 4-Dimethylaminobenzaldehyde (Szewczuk, A. (178) 35)

**Dipeptidyl aminopeptidase IV**

Purification; Human kidney (Wolf, G.B. (179) 61)

**Direct extraction**

Collagenase; Cartilage; Osteoarthritis (Blancaert, A. (185) 73)

**Disaccharidases**

Endoscopic biopsy; Crosby capsule; Hypolactasia (Smith, J.A. (183) 317)

**DNA**

Liver/bone/kidney; Placental; Intestinal; Placental-like; Polymorphism; Malignancy (Harris, H. (186) 133)

**cDNA cloning**

Alkaline phosphatase; FL-amnion cell; Kasahara isoenzyme; Hepatoma (Higashino, K. (186) 151)

**DNA diagnosis**

Ornithine transcarbamylase (Matsuda, I. (185) 283)

Polymorphism; Transthyretin; Prealbumin; PCR method (Sakaki, Y. (185) 289)

**cDNA library**

Alkaline phosphatase; DNA sequence analysis; Embryonal carcinoma cells (Hahnel, A.C. (186) 171)

**DNA sequence analysis**

Alkaline phosphatase; cDNA library; Embryonal carcinoma cells (Hahnel, A.C. (186) 171)

**Drug effects**

Aminopeptidase; Isozyme; Liver disease; Alcoholism; Enzyme release (Sanderink, G.-J. (179) 23)

**Drugs**

Histamine; Radioenzyme assay (Harvima, R.J. (180) 231)

**Drugs of abuse**

Morphine; Enzyme immunoassay; Urine narcotic analysis (Laurie, D. (183) 183)

**Duchenne muscular dystrophy**

Creatine-kinase (Passos-Bueno, M.R. (179) 163)

**Duodenogastric reflux**

Gastrotoxicity; Rat; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

**Dynospheres<sup>®</sup>**

Carbonyldiimidazole; Tosyl chloride; Solid-phase antibody; Immunopurification (McConway, M.G. (179) 265)

**Dysfibrinogenemia**

Fibrinogen; Chromatofocussing; Agarose gel isoelectrofocussing (Fernández, F.J. (179) 239)

**Dysgerminoma**

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma (Nozawa, S. (186) 275)

# E

## Elastase

Asthma;  $\alpha_2$ -Macroglobulin; Chronic obstructive pulmonary disease (Kilroe-Smith, T.A. (185) 81)

## Electrochemical detection

High-performance liquid chromatography; Adenine phosphoribosyltransferase deficiency; 2,8-Dihydroxyadenine lithiasis (Kojima, T. (181) 109)

## Electrolyte

Circadian variations; Seasonal variations; Aging; Reference values (Touitou, Y. (180) 245)

## Electron impact mass spectrometry

Tyrosinemia; Succinylacetone;  $^{15}\text{N}$ -labelled internal standard; Isotope dilution (Schierbeek, H. (184) 243)

## Electrophoresis

Alkaline phosphatase; Lectin affinity; Monoclonal antibody; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

Sickle cell disease; Renal disease; Proteinuria (Lonsdorfer, A. (181) 239)

## Electrothermal vaporization

Inductively coupled mass spectrometry; Tellurium; Biological fluid (Newman, R.A. (179) 191)

## ELISA

Apolipoprotein A-I; Immunoquantitation; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

Lectin; Blood serum; Haptoglobin (Thompson, S. (180) 277)

Nonspecific reaction; Serum; hTNF- $\alpha$  (Abe, Y. (181) 223)

Free immunoglobulin kappa light chains; Cerebrospinal fluid; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

Acute intermittent porphyria; Porphobilinogen deaminase (Lannfelt, L. (183) 227)

Antigliadin antibodies; Coeliac disease; IgA isotyping; Screening (Elewaut, A. (183) 285)

FSH; LH; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

Glycated albumin; Monoclonal antibody; Diabetes; Glycemic control (Hud, E. (185) 157)

Protein S; C4b-BP-protein S complexes; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

## ELISA immunoassay

Isoferritin; Serum ferritin; Tumor marker (Cozzi, A. (184) 197)

## ELISA measurement of apolipoprotein A-I

Apolipoprotein A-I, immunoreactivity of; Apolipoprotein A-I measurement, storage effects on; Temperature and apolipoprotein A-I measurement (Wang, X.L. (179) 285)

## Embryonal carcinoma cells

Alkaline phosphatase; cDNA library; DNA sequence analysis (Hahnel, A.C. (186) 171)

## Endometrial protein

Placental protein 14; Immunofluorometric assay; Follicular fluid (Riittinen, L. (183) 115)

Placental protein 14; Amniotic fluid; Protein purification; Amino acid sequence; Progestagen-dependent endometrial protein (Riittinen, L. (184) 19)

## Endometriosis

Alkaline phosphatase; Peritoneal fluid (Kang, J.O. (186) 285)

## Endoscopic biopsy

Crosby capsule; Disaccharidases; Hypolactasia (Smith, J.A. (183) 317)

## gamma-gamma Enolase

Bioluminescence; Neuron specific enolase; Cerebrospinal fluid (Wevers, R.A. (178) 141)

**Enzymatic amplification**

Biotinylated oligonucleotides; Polymerase chain reaction (PCR); Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

**Enzymatic analysis**

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; High performance liquid chromatography (Schadewaldt, P. (183) 171)

Serum; Total lipids (Akins, J.R. (184) 219)

Creatinine analysis; Creatinine deiminase; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Enzymatic assay**

Serum sialic acid; *N*-Acylmannosamine dehydrogenase (Horiuchi, T. (182) 117)

Deoxyribonuclease I; Radioimmunoassay; Cancer; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

**Enzymatic fluorimetry**

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; [<sup>14</sup>C]Glycocholate breath test; Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

**Enzyme**

Monoclonal antibody; Isoenzyme (Rosalki, S.B. (183) 45)

Isoenzyme; Mitochondria; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

**Enzyme activities, Mechanisms of increase**

Cholestasis; Choledochocaval fistula (Putzki, H. (181) 81)

**Enzyme immunoassay**

Medullasin; Multiple sclerosis; Behçet's disease (Aoki, Y. (178) 193)

Human pancreatic secretory trypsin inhibitor (PSTI); Monoclonal antibody; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Slow moving protease; Acid proteinase (Matsusako, K. (181) 19)

Primary biliary cirrhosis; Antimitochondrial antibodies; Radioimmunoassay (Plebani, M. (181) 201)

Human serum pancreatic lipase; Monoclonal antibody; Immunosorbent enzyme assay (Ohkaru, Y. (182) 295)

Cholestasis; Liver cirrhosis;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

Testosterone (Rajkowski, K.M. (183) 197)

Enzyme-labelling;  $\beta$ -D-Galactosidase; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

Alkaline phosphatase; Radioimmunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

**Enzyme immunoassay (EIA)**

Serum amyloid A protein (SAA); Normal value (Yamada, T. (179) 169)

**Enzyme immunoassay**

Morphine; Drugs of abuse; Urine narcotic analysis (Laurie, D. (183) 183)

**Enzyme-labelling**

Enzyme immunoassay;  $\beta$ -D-Galactosidase; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

**Enzyme-linked immunosorbent assay**

Celiac disease; Gliadin; Gluten (Friis, S.U. (178) 261)

**Enzyme-linked immunosorbent assay, ELISA**

Apo A-I, rabbit and human; Monoclonal antibody (Leroy, A. (179) 85)

**Enzyme-linked immunosorbent assay (ELISA)**

Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Monoclonal antibody; Digestive cancer (Oka, S. (182) 209)

**Enzyme multiplied immunoassay test (EMIT)**

Caffeine; Liver drug-metabolizing enzyme function (Varagnolo, M. (183) 91)



**Enzyme release**

Aminopeptidase; Isozyme; Liver disease; Alcoholism; Drug effects (Sanderink, G.-J. (179) 23)

**Equilibrium dialysis**

Free thyroxine; Chemiluminescence (Beaman, J. (186) 83)

**Erythrocyte**

Ageing; Amiloride; Phloretin; Sodium transport (Carr, S. (178) 51)

Hemolytic resistance; Membrane lipid; Hemodialysis (Peuchant, E. (178) 271)

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Platelet (Corrocher, R. (179) 121)

Furosemide; Ouabain; Plasma sodium transport (Tepper, T. (179) 133)

Plasma lipoprotein; Cholesterol; Sick cell anemia (Ngogang, J. (179) 295)

Hemolysate; Transketolase; Artefacts; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

Cystic fibrosis; Phosphoinositide; Phospholipase C (Doughney, C. (181) 55)

Hereditary fructose intolerance; Fructaldolases A and B (Gitzelmann, R. (181) 163)

Fructose; Sorbitol dehydrogenase; Fluorimetry (Liu, S.-Q. (181) 219)

AMP Deaminase; Assay (Dale, G.L. (182) 1)

Diabetes; Hypertension; Sodium influx; Sodium-Potassium pump; Furosemide (Chimori, K. (183) 263)

Cation; Transport; Fatty acid; Lipid; Psoriasis; Membrane (Corrocher, R. (186) 335)

**Erythrocyte diaphorase**

NADH<sub>2</sub>; Ferricyanide; Cytochrome *b*<sub>5</sub>; Methemoglobin; Reductase (Papandreou, P. (181) 189)

**Erythrocyte glutathione reductase**

Inhibition; Ariboflavinosis; Mitomycin-C; FAD (Okuda, J. (181) 37)

**Erythrocyte life span**

Chromium-51; Isotope, nonradioactive (Dever, M. (181) 337)

**Erythrocyte membrane**

Amyotrophic lateral sclerosis; NMR relaxation; Water exchange (Monti, J.P. (185) 53)

**Erythrocyte protoporphyrin**

Hemoglobin; Heme; Hematocrit; Anemia (Hara-da, K. (180) 87)

**Essential hypertension**

Urinary kallikrein; Trypsin activation; Radioimmunoassay; Bioassay (Maier, M. (178) 127)

**Estrogen receptor**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Progesterone receptor (Machotka, S.V. (184) 207)

**Ethanol**

Ethylene glycol; Analysis; Alcohol oxidoreductase; Glycolaldehyde (Hansson, P. (182) 95)

**Ethanol withdrawal**

Glutamate dehydrogenase; Alcohol; Serum (Weill, J. (179) 323)

**Ethylene glycol**

Analysis; Alcohol oxidoreductase; Glycolaldehyde; Ethanol (Hansson, P. (182) 95)

**Exercise**

Atrial natriuretic peptide; Radioimmunoassay; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

Complement; Anaphylatoxin (Dufaux, B. (179) 45)

Xanthinuria; Xanthine oxidase; Hypoxanthine; Xanthine (Landaas, S. (181) 119)

**Experimental animal**

Pharmacokinetics; Butyrate; Man (Daniel, P. (181) 255)

**Expression**

Site-directed mutagenesis; Sequence homology; Immunocytochemistry Immunoassay; Structure-function (Narisawa, S. (186) 189)



# F

## Factor XIII

Factor XIII deficiency; Immunoelectrophoresis (Krøll, J. (179) 279)

## Factor XIII deficiency

Factor XIII; Immunoelectrophoresis (Krøll, J. (179) 279)

## FAD

Inhibition; Erythrocyte glutathione reductase; Ariboflavinosis; Mitomycin-C (Okuda, J. (181) 37)

## Fatty acid

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Cation; Transport; Lipid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

## Fatty acid, Non-esterified

Glucose; Acetate; Diabetes mellitus; Ketone bodies (Akanji, A.O. (178) 85)

## Fecal steroid

Viscous fibre; Guar gum; Cholesterol synthesis; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

## Ferricyanide

Erythrocyte diaphorase; NADH<sub>2</sub>; Cytochrome b<sub>5</sub>; Methemoglobin; Reductase (Papandreou, P. (181) 189)

## Ferritin

Aluminum; Absorption (Cochran, M. (178) 79)

## Fetal enzyme assay

Amniotic fluid; Intestinal alkaline phosphatase; Alkaline phosphatase heterogeneity (Verpooten, G.F. (186) 225)

## $\alpha$ -Fetoprotein

Antibody-lectin enzyme immunoassay; Sugar chain; Liver disease (Kinoshita, N. (179) 143)

## Fibrinogen

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## Fibrinogen degradation

Fibrinogen species origin; Fibrinogen gelation (Regañón, E. (184) 7)

## Fibrinogen gelation

Fibrinogen species origin; Fibrinogen degradation (Regañón, E. (184) 7)

## Fibrinogen species origin

Fibrinogen degradation; Fibrinogen gelation (Regañón, E. (184) 7)

## Fibroblast

Cystic fibrosis;  $\alpha$ -Glucosidase; Lysosomal (Vladutiu, G.D. (178) 337)

Alkaline phosphatase; Gastric carcinogenesis; Ossification (rat) (Hirota, N. (186) 301)

## Fibroblasts

Interleukin-1; Anti-inflammatory; PGE<sub>2</sub>; Assay automation (Maloff, B.L. (180) 73)

## Fibronectin

Plasma; Breast cancer; Laser nephelometry (Ruelland, A. (178) 283)

Procollagen III peptide; Liver fibrosis; Alcohol liver disease (Gabrielli, G.B. (179) 315)

Lipoprotein; Radioimmunoassay; Atherosclerosis (Cseh, K. (182) 75)

Selenium; Liver; Cirrhosis; Fibrosis; Procollagen (Casaril, M. (182) 221)

Polyethylene glycol; Immune complexes; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

## Fibrosis

Selenium; Liver; Cirrhosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

**Fish lipid concentrate**

Triglyceride; MaxEPA (Miller, J.P. (178) 251)

**FL-amnion cell**

Alkaline phosphatase; Kasahara isoenzyme; Hepatoma; cDNA cloning (Higashino, K. (186) 151)

**Fluorescein**

Bromide; Spectrophotometry (Trapp, S.A. (181) 207)

**Fluorescence**

Biliary protein; Bile (Harvey, P.R.C. (183) 147)

**Fluorimetry**

Fructose; Sorbitol dehydrogenase; Erythrocyte (Liu, S.-Q. (181) 219)

**Folic acid**

5-Methyltetrahydrofolic acid; 5-Formyltetrahydrofolic acid (Leeming, R.J. (180) 241)

**Follicular fluid**

Placental protein 14; Endometrial protein; Immunofluorometric assay (Riittinen, L. (183) 115)

**Formyl-cellufine**

Affinity chromatography; Apolipoprotein; Lipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

**5-Formyltetrahydrofolic acid**

Folic acid; 5-Methyltetrahydrofolic acid (Leeming, R.J. (180) 241)

**F protein**

Liver disease; Diagnostic test (Foster, G.R. (184) 85)

**Free fatty acid**

Free thyroxine; Thyroid function; Triiodothyronine (Tikanoja, S.H. (179) 33)

**Free fatty acids**

Gas-liquid chromatography; Lipid extraction; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

**Free glycerol interference**

Serum triglyceride, measurement of (Artiss, J.D. (182) 109)

**Free immunoglobulin kappa light chains**

ELISA; Cerebrospinal fluid; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

**Free protein S**

Protein S; C4b-binding protein; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

Protein S; ELISA; C4b-BP-protein S complexes; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**Free radical**

Octadeca-9,11-dienoic acid; Cervical intra-epithelial neoplasia (Fairbank, J. (186) 53)

**Free radicals**

Linoleic acid isomer; Cystic fibrosis (Salh, B. (181) 65)

**Free thyroxine**

Free fatty acid; Thyroid function; Triiodothyronine (Tikanoja, S.H. (179) 33)

Chemiluminescence; Equilibrium dialysis (Beaman, J. (186) 83)

**Fructaldolases A and B**

Hereditary fructose intolerance; Erythrocyte (Gitzelmann, R. (181) 163)

**Fructosamine**

Hypoalbuminemia; Bilirubin; Renal failure (Dominiczak, M.H. (182) 123)

**Fructose**

Sorbitol dehydrogenase; Fluorimetry; Erythrocyte (Liu, S.-Q. (181) 219)

**FSH**

LH; ELISA; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

**Fucose**

alpha 1-Acid glycoprotein; Microheterogeneity; Liver disease; Carbohydrate (Biou, D. (186) 59)

**Furosemide**

Erythrocyte; Ouabain; Plasma sodium transport (Tepper, T. (179) 133)

Diabetes; Hypertension; Sodium influx; Sodium-Potassium pump; Erythrocyte (Chimori, K. (183) 263)

# G

## **$\beta$ -Galactosidase**

GM1 gangliosidosis; Oligosaccharide; Subtype (Takahashi, Y. (179) 153)

Non-isotopic immunoassay; CEDIA<sup>TM</sup>; Homogenous enzyme immunoassay (Khanna, P.L. (185) 231)

## **$\beta$ -D-Galactosidase**

Enzyme immunoassay; Enzyme-labelling; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

## **Galactosyl oligosaccharide $\beta$ -galactosidase**

GM1 gangliosidosis; Subtype (Takahashi, Y. (179) 219)

## **Galactosyltransferase**

Isoform; Lectin affinity chromatography; Human malignant ascite (Boyle, F.A. (178) 289)

## **Gas chromatography**

Quantitation; Mass spectrometry; Vitamin D<sub>2</sub> metabolites; Plasma (Coldwell, R.D. (180) 157)

3-Methoxy-4-hydroxyphenylglycol; MHPG; Plasma (Piletz, J.E. (185) 165)

## **Gas chromatography-Mass spectrometry**

Plant lignan; Urine; Human; Metabolism (Bannwart, C. (180) 293)

## **Gas chromatography-mass spectrometry**

Oximation; Acetoacetic acid; Ketosis; Organic acid; Urine analysis (Mills, G.A. (184) 93)

## **Gas-liquid chromatography**

Free fatty acids; Lipid extraction; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

## **Gas-liquid chromatography-mass spectrometry**

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; [<sup>14</sup>C]Glycocholate breath test; Enzymatic fluorimetry (Bolt, M.J.G. (181) 87)

## **Gastric**

Gastrotoxicity; Duodenogastric reflux; Rat; Deoxycholic acid; Stomach; Bile acid (Armstrong, D. (178) 313)

## **Gastric carcinogenesis**

Alkaline phosphatase; Fibroblast; Ossification (rat) (Hirota, N. (186) 301)

## **Gastric carcinoma**

Novel alkaline phosphatase (Imanishi, H. (186) 309)

## **Gastrointestinal tract decontamination**

Polyamine; Urinary tract infection; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

## **Gastrotoxicity**

Duodenogastric reflux; Rat; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

## **Gaucher's disease**

Glucocerebrosidase; Heterozygote detection;  $\beta$ -Glucosidase (Butcher, B.A. (184) 235)

## **Gel permeation chromatography**

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

## **GGT**

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; NAG; AAP;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

## **GLA**

Carboxyglutamic acid; Osteocalcin; Bone resorption; HPLC (Fournier, B. (182) 173)

## **Gliadin**

Celiac disease; Gluten; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

**Glomerular filtration rate**

Diabetic children (Gibb, D.M. (182) 131)

**Glucagon**

Insulin; Liver cirrhosis; Impaired glucose tolerance (Antoniello, S. (183) 343)

**Glucocerebrosidase**

Gaucher's disease; Heterozygote detection;  $\beta$ -Glucosidase (Butcher, B.A. (184) 235)

**Glucocorticoid and insulin receptors**

Monocytes; Type 1 diabetes mellitus (Damm, P. (184) 167)

**Glucose**

Acetate; Fatty acid, Non-esterified; Diabetes mellitus; Ketone bodies (Akanji, A.O. (178) 85)

Diabetes mellitus; Acetate; Non-esterified fatty acids (Akanji, A.O. (185) 25)

**Glucose-6-phosphate dehydrogenase deficiency**

Chromate inhibition test; Spectrophotometric enzyme assay; Cytochemical assay (Jonges, G.N. (181) 135)

**Glucose tolerance**

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

**alpha-Glucosidase**

Cystic fibrosis; Fibroblast; Lysosomal (Vladutiu, G.D. (178) 337)

Deoxynojirimycin; Diabetes; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

 **$\beta$ -Glucosidase**

Gaucher's disease; Glucocerebrosidase; Heterozygote detection (Butcher, B.A. (184) 235)

 **$\beta$ -Glucuronidase**

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; NAG; AAP; GGT (Holmes, R.P. (186) 1)

**Glutamate dehydrogenase**

Alcohol; Serum; Ethanol withdrawal (Weill, J. (179) 323)

 **$\gamma$ -Glutamyl-carboxyanilide**

$\gamma$ -Glutamyltransferase activity; 4-Dimethylaminobenzaldehyde; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

 **$\gamma$ -Glutamyltransferase activity**

$\gamma$ -Glutamyl-carboxyanilide; 4-Dimethylaminobenzaldehyde; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

 **$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2)**

Affinity electrophoresis; Tumor marker; Concanavalin A; Hepatocellular carcinoma (Yoshikawa, C. (185) 317)

 **$\gamma$ -Glutamyl transpeptidase**

Sugar-chain heterogeneity; Serial lectin affinity chromatography; Reproductive system; Kidney (Arai, K. (184) 75)

**Glutathione**

HPLC; Coulometric electrochemical detector (Harvey, P.R.C. (180) 203)

**Glutathione-peroxidase**

Psoriasis; Oil; Fatty acid; Malondialdehyde; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

**Glutathione peroxidase**

Glutathione transferase; Glutathione-related enzyme activity; Prostatic carcinoma (Aceto, A. (183) 83)

**Glutathione-related enzyme activity**

Glutathione peroxidase; Glutathione transferase; Prostatic carcinoma (Aceto, A. (183) 83)

**Glutathione S-transferase**

Radioimmunoassay; Human; Bile; Bile salts (Howie, A.F. (184) 269)

**Glutathione transferase**

Glutathione peroxidase; Glutathione-related enzyme activity; Prostatic carcinoma (Aceto, A. (183) 83)

**Gluten**

Celiac disease; Gliadin; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

**Glycated albumin**

Monoclonal antibody; ELISA; Diabetes; Glycemic control (Hud, E. (185) 157)



**Glycated hemoglobin**

Minor hemoglobin component; Hypoglycemia (Niketic, V. (180) 121)

**Glycemic control**

Glycated albumin; Monoclonal antibody; ELISA; Diabetes (Hud, E. (185) 157)

**Glycogenesis**

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Processing; Lysosome (Wisselaar, H.A. (182) 41)

**Glycolaldehyde**

Ethylene glycol; Analysis; Alcohol oxidoreductase; Ethanol (Hansson, P. (182) 95)

**Glycoprotein**

Mucin; Tumor-associated antigen (Imokawa, M. (180) 45)

Acid Phosphatase, prostatic-type; Isoenzyme; Charge isoform (Morris, M.F. (182) 9)

**Glycosaminoglycan**

Calcium; Oxalate; Inhibitor; Pentosan polysulphate (Fellström, B. (180) 213)

**Glycosylation**

Glycosyltransferase; Monocyte; Leukemia; Monoblast (Francina, A. (183) 301)

Serum; Haptoglobin; Rheumatoid arthritis (Thompson, S. (184) 251)

Heterogeneity; Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Charge (Koshida, K. (186) 255)

**Glycosyltransferase**

Glycosylation; Monocyte; Leukemia; Monoblast (Francina, A. (183) 301)

**GM1 gangliosidosis**

Oligosaccharide;  $\beta$ -Galactosidase; Subtype (Takahashi, Y. (179) 153)

Galactosyl oligosaccharide  $\beta$ -galactosidase; Subtype (Takahashi, Y. (179) 219)

**Gonadotrophin**

Pituitary; Blood analysis; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**G protein**

ras; Signal transduction (Yamamoto, K. (185) 345)

**Granulocyte**

Cystic fibrosis protein; Lactoferrin; Serum; Plasma (Barthe, C. (181) 183)

**Growth factor**

Human hepatoma cell line (Nakamura, H. (183) 273)

**Guar gum**

Viscous fibre; Cholesterol synthesis; Fecal steroid; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

**Gut bacteria**

2,3-Butanediol; Acetoin; Capillary gas chromatography; Mass spectrometry; Premature baby (Mills, G.A. (179) 51)

**Gynecological cancer**

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ascites; Ovarian tumor (Koyama, I. (186) 295)

# H

## Haemodialysis

Carbamylated haemoglobin; Chronic renal failure; CAPD; Transplantation (Smith, W.G.J. (178) 297)

## Hair

Aluminium; Serum; Bone; Histomorphometry (Chappuis, P. (179) 271)

Antimony; Leishmaniasis; Therapy; Neutron activation analysis (Jose, (179) 341)

## Haptocorrin

Amniotic fluid; Cobalamin; Intrinsic factor; Transcobalamin (Guéant, J.L. (181) 151)

## Haptoglobin

Lectin; Blood serum; ELISA (Thompson, S. (180) 277)

Serum; Glycosylation; Rheumatoid arthritis (Thompson, S. (184) 251)

## Hashimoto's thyroiditis

3,3',5-Triiodothyronine; Autoantibody (Muratsugu, M. (178) 171)

## HDL

Apolipoprotein A-I; ELISA; Immunoquantitation; Monoclonal antibody (Bojanovski, M. (178) 159)

## Heat stable alkaline phosphatase

Inherited hyperphosphatasemia (Onica, D. (180) 23)

## Hematocrit

Erythrocyte protoporphyrin; Hemoglobin; Heme; Anemia (Harada, K. (180) 87)

## Heme

Erythrocyte protoporphyrin; Hemoglobin; Hematocrit; Anemia (Harada, K. (180) 87)

## Hemodialysis

Erythrocyte; Hemolytic resistance; Membrane lipid (Peuchant, E. (178) 271)

Ascorbic acid; Capillary fragility; Cholesterol; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

Trihalomethane; Breath; Dialysate (Cailleux, A. (180) 303)

Trihalomethane (Cailleux, A. (181) 75)

## Hemoglobin

Erythrocyte protoporphyrin; Heme; Hematocrit; Anemia (Harada, K. (180) 87)

Coproporphyrin; Second derivative; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

## Hemolysate

Erythrocyte; Transketolase; Artefacts; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

## Hemolysis

Catalase; Acute pancreatitis; Serum catalase disappearance (Góth, L. (186) 39)

## Hemolytic anemia

Red cell; Sick cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

## Hemolytic resistance

Erythrocyte; Membrane lipid; Hemodialysis (Peuchant, E. (178) 271)

## Hepatic function

Serum biotinidase activity; Serum albumin; Liver disease; Serum enzyme (Grier, R.E. (186) 397)

## Hepatic lipase

Lipase; Lipoprotein lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

## Hepatocellular carcinoma

Pseudouridine; Modified nucleoside; Tumor marker (Amuro, Y. (178) 151)

$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Tumor marker; Concanavalin A (Yoshikawa, C. (185) 315)

#### **Hepatoma**

*N*-Acetylglucosaminyltransferase III; Cirrhosis; Human (Ishibashi, K. (185) 323)

Alkaline phosphatase; FL-amnion cell; Kasahara isoenzyme; cDNA cloning (Higashino, K. (186) 151)

#### **Hereditary fructose intolerance**

Fructaldolases A and B; Erythrocyte (Gitzelmann, R. (181) 163)

#### **Heterogeneity**

Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

#### **Heterozygote detection**

Pyrimidine 5'-nucleotidase; Pyrimidine nucleotides; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

Gaucher's disease; Glucocerebrosidase;  $\beta$ -Glucosidase (Butcher, B.A. (184) 235)

#### **$\beta$ -Hexosaminidase**

Cholestasis; Liver cirrhosis; Enzyme immunoassay; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

#### **High density lipoprotein**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

High density lipoprotein subfractions; Apo A-I; Clomipramine (Skinner, E.R. (184) 147)

Cholesteryl ester transfer; Atherosclerosis; Peripheral vascular disease; Cholesterol; Triglyceride (Rühling, K. (184) 289)

#### **High density lipoprotein subfractions**

High density lipoprotein; Apo A-I; Clomipramine (Skinner, E.R. (184) 147)

#### **Highly sensitive reagent**

Serum copper; Colorimetry; Pediatric chemistry (Makino, T. (185) 7)

#### **High-performance liquid chromatography**

Pyrimidine nucleoside phosphorylase; Uridine; 5'-Deoxy-5-fluorouridine (Laurense, E.J. (178) 71)

Electrochemical detection; Adenine phosphoribosyltransferase deficiency; 2,8-Dihydroxyadenine lithiasis (Kojima, T. (181) 109)

#### **High performance liquid chromatography**

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis (Schadewaldt, P. (183) 171)

#### **High-performance liquid chromatography**

Hydroxyproline; Urine (Teerlink, T. (183) 309)

#### **High-performance liquid chromatography (HPLC)**

Methylmalonic acidemia; Methylmalonyl CoA mutase (Kikuchi, M. (184) 307)

Uremic sera; Middle molecule; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

#### **Hippurates**

Uremic toxins; Lactate dehydrogenase; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

#### **Hippuric acid**

Uremic sera; Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Phenylacetylglutamine (Kaplan, B. (185) 119)

#### **Histamine**

Drugs; Radioenzyme assay (Harvima, R.J. (180) 231)

Decarboxylation of histidine; Histidinemia (Tanabe, M. (186) 11)

#### **Histidinemia**

Histamine; Decarboxylation of histidine (Tanabe, M. (186) 11)

#### **Histomorphometry**

Aluminium; Hair; Serum; Bone (Chappuis, P. (179) 271)

**HMG-CoA reductase activity**

Cholesterol synthesis in man (Carulli, N. (183) 77)

**Hoffmann reflex**

Uremic toxins; Hippurates; Lactate dehydrogenase; Serum calcium; Uremic neuropathy (Schoots, A.C. (185) 91)

**Homogeneous EIA (H-EIA)**

Protein C; Horseradish peroxidase (HRP) (Suzuki, K. (184) 227)

**Homogenous enzyme immunoassay**

Non-isotopic immunoassay; CEDIA<sup>TM</sup>;  $\beta$ -Galactosidase (Khanna, P.L. (185) 231)

**Horseradish peroxidase (HRP)**

Protein C; Homogeneous EIA (H-EIA) (Suzuki, K. (184) 227)

**HPLC**

Glutathione; Coulometric electrochemical detector (Harvey, P.R.C. (180) 203)

Carboxyglutamic acid; GLA; Osteocalcin; Bone resorption (Fournier, B. (182) 173)

Sickle cell; Neonatal screening (Shapira, E. (182) 301)

<sup>35</sup>S-Cystine; Cystinosis; Prenatal diagnosis (Hall, N.A. (184) 1)

4-Hydroxyproline; Urine; Spectrophotometry (Ho, K.-C. (185) 191)

Amino acid; Inborn error; Blood (Ho, J.W. (185) 197)

**HPLC assay**

Biotinidase; Thermal inactivation (Hayakawa, K. (178) 95)

**HPLC-ECO**

3,4-Dihydroxyphenylalanine; Plasma DOPA; Cerebrospinal fluid DOPA; 3-O-Methyldopa (Boomsma, F. (178) 59)

**H subunit**

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

**Human**

Plant lignan; Urine; Metabolism; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Glutathione S-transferase; Radioimmunoassay; Bile; Bile salts (Howie, A.F. (184) 269)

N-Acetylglucosaminyltransferase III; Cirrhosis; Hepatoma (Ishibashi, K. (185) 323)

**Human cerebrospinal fluid**

Acetylcholinesterase; Butyrylcholinesterase; Aryl acylamidase; Human serum (Rao, R.V. (183) 135)

**Human copper, zinc-superoxide dismutase (Cu, Zn-SOD)**

Enzyme-linked immunosorbent assay (ELISA); Monoclonal antibody; Digestive cancer (Oka, S. (182) 209)

**Human erythrocyte binding**

Unconjugated bilirubin; Kernicterus (Hayer, M. (186) 345)

**Human erythrocytes**

Lactate dehydrogenase (Hirano, T. (180) 59)

Hyperthyroidism; Acylphosphatase level (Nassi, P. (183) 351)

**Human gastric juice**

Second antibody solid-phase enzyme immunoassay; Prostaglandin E<sub>2</sub> (Orsini, B. (178) 305)

**Human heart**

Myocardial ischemia; Xanthine oxidase; Purine catabolites; Adenosine (Smoleński, R.T. (182) 63)

**Human hepatoma cell line**

Growth factor (Nakamura, H. (183) 273)

**Human kidney**

Dipeptidyl aminopeptidase IV; Purification (Wolf, G.B. (179) 61)

Tubular damage; Membrane enzymes; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)



**Human liver microsomes**

Cholesterol acyltransferase; Ischaemia; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

**Human lung**

Alkaline phosphatase (Hirano, K. (186) 265)

**Human malignant ascite**

Galactosyltransferase; Isoform; Lectin affinity chromatography (Boyle, F.A. (178) 289)

**Human ovary**

Placental-like alkaline phosphatase; Monoclonal antibody; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

**Human pancreatic secretory trypsin inhibitor (PSTI)**

Enzyme immunoassay; Monoclonal antibody; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

**Human placenta**

Creatine kinase BB isoenzyme; Radioimmunoassay; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

**Human plasma**

$\beta$ -D-N-Acetylglucosaminidase isozyme; Automated procedure; Pregnancy (Goi, G. (179) 327)

**Human serum**

Acetylcholinesterase; Butyrylcholinesterase; Aryl acylamidase; Human cerebrospinal fluid (Rao, R.V. (183) 135)

Albumin interference; Two-dimensional electrophoresis; Immunoaffinity chromatography (Burgess-Cassler, A. (183) 359)

**Human serum pancreatic lipase**

Monoclonal antibody; Enzyme immunoassay; Immunosorbent enzyme assay (Ohkaru, Y. (182) 295)

**Human type IV collagen**

Sandwich immunoassay; Monoclonal antibody (Obata, K.-i. (181) 293)

**Human ventricular myosin light chain 1**

Myocardial infarction (Wang, J. (181) 325)

**Hunter syndrome**

Lymphoblastoid cell (Morabito, E. (181) 125)

**Hyaluronic acid**

Rheumatoid arthritis; Binding protein assay; Hyaluronic acid binding protein (Chichibu, K. (181) 317)

**Hyaluronic acid binding protein**

Hyaluronic acid; Rheumatoid arthritis; Binding protein assay (Chichibu, K. (181) 317)

**Hydrogen peroxide**

Porphyrin; Photosensitizer; Light; Singlet oxygen (Menon, I.A. (186) 375)

**Hydrophobicity**

Heterogeneity; Placental-like alkaline phosphatase; Seminoma; Glycosylation; Charge (Koshida, K. (186) 255)

**Hydroxycholesterol**

Lipid; Lipoprotein; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

**2-Hydroxyisocaproate dehydrogenase**

Branched-chain 2-oxo acid; Ketoisocaproate; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

**3-Hydroxy-3-methylglutaryl-CoA lyase**

3-Methylglutaconyl-CoA hydratase; 3-Methylcrotonyl-CoA carboxylase; Coupled enzyme assay (Narisawa, K. (184) 57)

**Hydroxyproline**

Urine; High-performance liquid chromatography (Teerlink, T. (183) 309)

**4-Hydroxyproline**

Urine; HPLC; Spectrophotometry (Ho, K.-C. (185) 191)

**5-Hydroxypyrazinamide**

Pyrazinamide; Allopurinol; Oxypurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

**Hyperammonemia**

Ornithine carbamoyltransferase;  $K_m$  variant (Rabier, D. (186) 25)

**Hypercholesterolemia**

Hydroxycholesterol; Lipid; Lipoprotein; Serum;  
Bile acid sequestrant therapy (Van Doormaal,  
J.J. (181) 273)

**Hyperlipidemia**

Hypocholesterolemic; Animal models; 7-Acyl-  
1,4-benzoxazinone (Moussavi, Z. (180) 35)

**Hyperoxaluria**

Oxalate; Amniotic fluid; Ion-chromatography  
(Wandzilak, T.R. (185) 131)

**Hypertension**

Metabolism; Androstenedione; Placenta; Aro-  
matization; Radiometric analysis (Hähnel, M.E.  
(181) 103)

Diabetes; Sodium influx; Sodium-Potassium  
pump; Furosemide; Erythrocyte (Chimori, K.  
(183) 263)

**Hyperthyroidism**

Human erythrocytes; Acylphosphatase level  
(Nassi, P. (183) 351)

**Hypoalbuminemia**

Fructosamine; Bilirubin; Renal failure (Domi-  
niczak, M.H. (182) 123)

**Hypocholesterolemic**

Hyperlipidemia; Animal models; 7-Acyl-1,4-ben-  
zoxazinone (Moussavi, Z. (180) 35)

**Hypoglycemia**

Glycated hemoglobin; Minor hemoglobin com-  
ponent (Niketic, V. (180) 121)

**Hypolactasia**

Endoscopic biopsy; Crosby capsule; Disacchar-  
idases (Smith, J.A. (183) 317)

**Hypoxanthine**

Xanthinuria; Xanthine oxidase; Xanthine; Ex-  
ercise (Landaas, S. (181) 119)

# I

## IgA isotyping

Antigliadin antibodies; Coeliac disease; ELISA; Screening (Elewaut, A. (183) 285)

## IgG

Circulating immune complexes; Aggregation (Levinson, S.S. (182) 21)

## IgG-index

CSF-IgM; IgM-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

## IgM-index

CSF-IgM; IgG-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

## Immobilized enzyme

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Photon counting; Continuous-flow system (Oda, K. (185) 17)

## Immune complexes

Polyethylene glycol; Fibronectin; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

## Immunoaffinity chromatography

Human serum; Albumin interference; Two-dimensional electrophoresis (Burgess-Cassler, A. (183) 359)

Bilirubin; Monoclonal antibody (Izumi, Y. (184) 99)

## Immunoassay

Parathyroid hormone; Chemiluminescence; Primary hyperparathyroidism (St. John, A. (178) 215)

Albuminuria; Proteinuria; Diabetic nephropathy (Neuman, R.G. (179) 229)

Aldolase; Isozyme; Tissue-distribution (Haimoto, H. (181) 27)

Trypsin; Trypsinogen; Pancreatitis; Protease inhibitor; Uremia (Kimland, M. (184) 31)

Urinary albumin; Chemiluminescence; Acridinium ester; Particle, paramagnetic (Horton, J.K. (186) 45)

Gonadotrophin; Pituitary; Blood analysis; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

## Immunoblot

Urinary antithrombin III related antigen; Bioimmunoassay; Liver cirrhosis (Ueshima, S. (180) 79)

## Immunoblotting

$\alpha_2$ -Macroglobulin; Immunoglobulin; Lysozyme (Mörsky, P. (178) 327)

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Laboratory diagnosis (Maekawa, M. (185) 297)

## Immunocytochemistry Immunoassay

Site-directed mutagenesis; Sequence homology; Expression; Structure-function (Narisawa, S. (186) 189)

## Immuno-electrophoresis

Factor XIII; Factor XIII deficiency (Krøll, J. (179) 279)

## Immunofluorometric assay

Placental protein 14; Endometrial protein; Follicular fluid (Riittinen, L. (183) 115)

## Immunoglobulin

$\alpha_2$ -Macroglobulin; Immunoblotting; Lysozyme (Mörsky, P. (178) 327)

## Immunoglobulin degradation

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

## Immunometric assay

C-reactive protein (Shapiro, D. (180) 285)

**Immunopurification**

Dynospheres®; Carbonyldiimidazole; Tosyl chloride; Solid-phase antibody (McConway, M.G. (179) 265)

**Immunoquantitation**

Apolipoprotein A-I; ELISA; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

**Immunosorbent enzyme assay**

Human serum pancreatic lipase; Monoclonal antibody; Enzyme immunoassay (Ohkaru, Y. (182) 295)

**Immunoturbidimetry**

Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

**Impaired glucose tolerance**

Insulin; Glucagon; Liver cirrhosis (Antoniello, S. (183) 343)

**Inborn error**

HPLC; Amino acid; Blood (Ho, J.W. (185) 197)

**Inborn errors of metabolism**

Enzyme; Isoenzyme; Mitochondria; Diagnosis (Schmidt, F.W. (185) 253)

**Inductively coupled mass spectrometry**

Electrothermal vaporization; Tellurium; Biological fluid (Newman, R.A. (179) 191)

**Infantile visceral Leishmaniasis**

Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

**Inflammation**

Phospholipase A; Pancreatitis; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

$\alpha$ 1-Acid glycoprotein; Rat; Con A affinity; Crossed affinity immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

**Inflammatory nervous system disorders**

ELISA; Free immunoglobulin kappa light chains; Cerebrospinal fluid; Multiple sclerosis (Lolli, F. (182) 229)

**Inherited hyperphosphatasemia**

Heat stable alkaline phosphatase (Onica, D. (180) 23)

**Inhibition**

Erythrocyte glutathione reductase; Ariboflavinosis; Mitomycin-C; FAD (Okuda, J. (181) 37)

**Inhibition ELISA**

Modified nucleoside; Pseudouridine; Anti-pseudouridine monoclonal antibody; Urine, from cancer patients (Itoh, K. (181) 305)

**Inhibitor**

Calcium; Oxalate; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

**Inositolphospholipid**

Oncogene; Transformation (Takenawa, T. (185) 307)

**Insulin**

Glucagon; Liver cirrhosis; Impaired glucose tolerance (Antoniello, S. (183) 343)

**Insulin-dependent diabetes**

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Glucose tolerance; Risk persons (Schäfer, J.H. (183) 333)

**Insulin receptor**

Linoleic acid; Arachidonic acid (Pelikánová, T. (179) 197)

**int-2**

Breast cancer; Proto-oncogenes; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Interleukin-1**

Anti-inflammatory; Fibroblasts; PGE<sub>2</sub>; Assay automation (Maloff, B.L. (180) 73)

**Intestinal**

Liver/bone/kidney; Placental; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

**Intestinal alkaline phosphatase**

Alkaline phosphatase (Alpers, D.H. (186) 211)

Amniotic fluid; Fetal enzyme assay; Alkaline phosphatase heterogeneity (Verpooten, G.F. (186) 225)



**Intestinal lymph**

Alkaline phosphatase; Lipid absorption (Miura, S. (186) 239)

**Intestinal permeability**

Mannitol; Automated enzyme assay (Lunn, P.G. (183) 163)

**Intestine**

Ischemia; Creatine kinase; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

**Intraindividual variation**

SADA; Sex; Age; Pregnancy (Åvall-Lundqvist, E. (185) 35)

**Intravascular lipolysis**

Lipase; Lipoprotein lipase; Hepatic lipase; Reye's syndrome (Kang, E.S. (184) 107)

**Intrinsic factor**

Amniotic fluid; Cobalamin; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

**Ion chromatography**

Oxalate; Phosphate; Sulphate (Politi, L. (184) 155)

**Ion-chromatography**

Oxalate; Amniotic fluid; Hyperoxaluria (Wandzilak, T.R. (185) 131)

**Ion-exchange chromatography with fluorimetric detection**

Amino acids; Reference values; Cerebrospinal fluid; Childhood (Gerrits, G.P. (182) 271)

**Ion-pairing**

Nicotinamide *N*-methyltransferase; Methyl conjugation; Pyridinium ion; Liver enzyme (Rini, J. (186) 359)

**Iron deficiency**

Zinc protoporphyrin; Protoporphyrin IX; Lead poisoning (Orfanos, A.P. (181) 213)

**Ischaemia**

Cholesterol acyltransferase; Human liver microsomes; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

**Ischemia**

Intestine; Creatine kinase; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

AST-isozyme; Mitochondrial AST; Bleb (Kamii, W. (185) 265)

**Ischemic stroke**

Acetylsalicylic acid; Thromboxane B<sub>2</sub> (Lee, T.-K. (184) 323)

**Isoelectric focusing**

alpha-1-Antitrypsin; Penicillamine; Sulphydryl group (Whitehouse, D.B. (179) 109)

**Isoenzyme**

Acid Phosphatase, prostatic-type; Charge isoform; Glycoprotein (Morris, M.F. (182) 9)

α-Amylase; Pancreas; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)

Monoclonal antibody; Enzyme (Rosalki, S.B. (183) 45)

Cholestasis; Liver cirrhosis; Enzyme immunoassay; β-Hexosaminidase; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

Enzyme; Mitochondria; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

**Isoferritin**

ELISA immunoassay; Serum ferritin; Tumor marker (Cozzi, A. (184) 197)

**Isoform**

Galactosyltransferase; Lectin affinity chromatography; Human malignant ascite (Boyle, F.A. (178) 289)

**Isotope dilution**

Tyrosinemia; Succinylacetone; <sup>15</sup>N-labelled internal standard; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

**Isotope, nonradioactive**

Chromium-51; Erythrocyte life span (Dever, M. (181) 337)

**Isozyme**

Aminopeptidase; Liver disease; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

Aldolase; Immunoassay; Tissue-distribution (Haimoto, H. (181) 27)

# K

**Kasahara isoenzyme**

Alkaline phosphatase; FL-amnion cell; Hepatoma; cDNA cloning (Higashino, K. (186) 151)

**Kernicterus**

Unconjugated bilirubin; Human erythrocyte binding (Hayer, M. (186) 345)

**Ketoisocaproate**

Branched-chain 2-oxo acid; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

**Ketone bodies**

Glucose; Acetate; Fatty acid, Non-esterified; Diabetes mellitus (Akanji, A.O. (178) 85)

**Ketosis**

Oximation; Acetoacetic acid; Organic acid; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

**Kidney**

$\gamma$ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Serial lectin affinity chromatography; Reproductive system (Arai, K. (184) 75)

 **$K_m$  variant**

Ornithine carbamoyltransferase; Hyperammonemia (Rabier, D. (186) 25)

# L

## Laboratory diagnosis

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Immunoblotting (Maekawa, M. (185) 297)

## Lactate dehydrogenase

Human erythrocytes (Hirano, T. (180) 59)

Intestine; Ischemia; Creatine kinase; Rats (Roth, M. (183) 65)

Uremic toxins; Hippurates; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

## Lactate dehydrogenase subunit deficiency

Lactate dehydrogenase; H subunit; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

## Lactoferrin

Cystic fibrosis protein; Serum; Plasma; Granulocyte (Barthe, C. (181) 183)

## Laser nephelometry

Fibronectin; Plasma; Breast cancer (Ruelland, A. (178) 283)

## Latent collagenase

Trypsin activation; Collagenase inhibitor; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

## Lathosterol

Squalene; Desmosterol; Campesterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

## Lead poisoning

Zinc protoporphyrin; Protoporphyrin IX; Iron deficiency (Orfanos, A.P. (181) 213)

## Lectin

Blood serum; Haptoglobin; ELISA (Thompson, S. (180) 277)

## Lectin affinity

Alkaline phosphatase; Electrophoresis; Monoclonal antibody; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

## Lectin affinity chromatography

Galactosyltransferase; Isoform; Human malignant ascite (Boyle, F.A. (178) 289)

## Lectin affinity chromatography (Human placentas)

Alkaline phosphatase; Allelic form; Sugar chain (Sato, M. (178) 101)

## Leishmaniasis

Antimony; Hair; Therapy; Neutron activation analysis (Jose, (179) 341)

## L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis)

Alkaline phosphatase (AP); Placental-like AP; Sugar moiety; Metastatic potential (Komoda, T. (186) 203)

## Leukemia

Glycosylation; Glycosyltransferase; Monocyte; Monoblast (Francina, A. (183) 301)

## Leukocytes prolidase

Prolidase deficiency (Kodama, H. (180) 65)

## LH

FSH; ELISA; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

## Light

Porphyrin; Photosensitizer; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

## Linoleic acid

Insulin receptor; Arachidonic acid (Pelikánová, T. (179) 197)

## Linoleic acid isomer

Free radicals; Cystic fibrosis (Salh, B. (181) 65)

**Lipase**

Pancreatitis; Amylase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

Lipoprotein lipase; Hepatic lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

**Lipid**

Hydroxycholesterol; Lipoprotein; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Cation; Transport; Fatty acid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**Lipid absorption**

Alkaline phosphatase; Intestinal lymph (Miura, S. (186) 239)

**Lipid extraction**

Free fatty acids; Gas-liquid chromatography; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

**Lipid peroxidation**

Chronic renal failure; Vitamin E (Yalçin, A.S. (185) 109)

**Lipid peroxidation comparison**

Red blood cell; Antioxidant enzyme; Pretreatment with Oradexone and Ambroxol (Novák, Z. (182) 241)

**Lipoprotein**

Apolipoprotein; Coronary disease; Coronary risk; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Formyl-cellulose; Affinity chromatography; Apolipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

Cortisol; Androstenedione; Adrenal cortex; Triglyceride; Cholesterol (Nanjee, M.N. (180) 113)

Hydroxycholesterol; Lipid; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Fibronectin; Radioimmunoassay; Atherosclerosis (Cseh, K. (182) 75)

Serum amyloid A; Myocardial infarction; Acute phase response (Bausserman, L.L. (184) 297)

**Lipoprotein electrophoresis**

Lp(a) lipoprotein; Myocardial infarction; Cerebral infarction (Kawakami, K. (185) 147)

**Lipoprotein lipase**

Lipase; Hepatic lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

**Liver**

Selenium; Cirrhosis; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

**Liver/bone/kidney**

Placental; Intestinal; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

**Liver cirrhosis**

Urinary antithrombin III related antigen; Immunoblot; Bioimmunoassay (Ueshima, S. (180) 79)

Cholestasis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

Insulin; Glucagon; Impaired glucose tolerance (Antoniello, S. (183) 343)

**Liver disease**

Aminopeptidase; Isozyme; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

Antibody-lectin enzyme immunoassay;  $\alpha$ -Fetoprotein; Sugar chain (Kinoshita, N. (179) 143)

F protein; Diagnostic test (Foster, G.R. (184) 85)

$\alpha$  1-Acid glycoprotein; Microheterogeneity; Carbohydrate; Fucose (Biou, D. (186) 59)

Serum biotinidase activity; Serum albumin; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

**Liver drug-metabolizing enzyme function**

Enzyme multiplied immunoassay test (EMIT); Caffeine (Varagnolo, M. (183) 91)



**Liver enzyme**

Nicotinamide *N*-methyltransferase; Methyl conjugation; Pyridinium ion; Ion-pairing (Rini, J. (186) 359)

**Liver fibrosis**

Procollagen III peptide; Fibronectin; Alcohol liver disease (Gabrielli, G.B. (179) 315)

**Low density lipoprotein**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Cholesterol; Diabetes mellitus (insulin-dependent) (Winocour, P.H. (179) 79)

**Lp(a) lipoprotein**

Lipoprotein electrophoresis; Myocardial infarction; Cerebral infarction (Kawakami, K. (185) 147)

**Lymph node**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Lymphoblastoid cell**

Hunter syndrome (Morabito, E. (181) 125)

**Lysosomal**

Cystic fibrosis; alpha-Glucosidase; Fibroblast (Vladutiu, G.D. (178) 337)

**Lysosome**

Phospholipids storage; Catabolism (Bargal, R. (181) 167)

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Processing; Glycogenesis (Wisselaar, H.A. (182) 41)

**Lysosphingolipid**

Protein kinase C; Sphingosine (Hannun, Y.A. (185) 331)

**Lysozyme**

alpha<sub>2</sub>-Macroglobulin; Immunoblotting; Immunoglobulin (Mörsky, P. (178) 327)

# M

## Macroamylase

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

## $\alpha_2$ -Macroglobulin

Asthma; Elastase; Chronic obstructive pulmonary disease (Kilroe-Smith, T.A. (185) 81)

## $\alpha_2$ -Macroglobulin

Immunoblotting; Immunoglobulin; Lysozyme (Mörsky, P. (178) 327)

## Malignancy

Liver/bone/kidney; Placental; Intestinal; Placental-like; Polymorphism; DNA (Harris, H. (186) 133)

## Malignant breast disease

Ca antigen (Searle, F. (186) 351)

## Malondialdehyde

Psoriasis; Oil; Fatty acid; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

## Man

Pharmacokinetics; Butyrate; Experimental animal (Daniel, P. (181) 255)

## Mannitol

Intestinal permeability; Automated enzyme assay (Lunn, P.G. (183) 163)

## Maple syrup urine disease

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

## Maple syrup urine disease — analysis of: Skin fibroblast culture

Branched-chain L-amino acid; Branched-chain 2-oxo acid (Schadewaldt, P. (184) 47)

## Mass spectrometry

2,3-Butanediol; Acetoin; Capillary gas chromatography; Gut bacteria; Premature baby (Mills, G.A. (179) 51)

Quantitation; Gas chromatography; Vitamin D<sub>2</sub> metabolites; Plasma (Coldwell, R.D. (180) 157)

## MaxEPA

Triglyceride; Fish lipid concentrate (Miller, J.P. (178) 251)

## Meconium aspiration

Coproporphyrin; Hemoglobin; Second derivative; Differential spectrophotometry (Ficheux, H. (182) 53)

## Medullasin

Enzyme immunoassay; Multiple sclerosis; Behçet's disease (Aoki, Y. (178) 193)

## Membrane

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Fatty acid; Lipid; Psoriasis; Erythrocyte (Corrocher, R. (186) 335)

## Membrane enzymes

Human kidney; Tubular damage; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)

## Membrane lipid

Erythrocyte; Hemolytic resistance; Hemodialysis (Peuchant, E. (178) 271)

## Meningitis

CSF-albumin; Reference values; Multiple sclerosis; Children (Öhman, S. (181) 265)

## Metabolism

Plant lignan; Urine; Human; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Androstenedione; Placenta; Aromatization; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

**Metastatic potential**

Alkaline phosphatase (AP); Placental-like AP; Sugar moiety; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

**Methemoglobin**

Erythrocyte; Hemolysate; Transketolase; Artefacts; Monooxygenase (Grudzinski, A. (180) 265)

Erythrocyte diaphorase; NADH<sub>2</sub>; Ferricyanide; Cytochrome *b*<sub>5</sub>; Reductase (Papandreou, P. (181) 189)

**Method comparison**

P-amylase immunoassay; Acute pancreatitis; Diagnostic characteristic (Sacchetti, L. (183) 95)

**3-Methoxy-4-hydroxyphenylglycol**

MHPG; Plasma; Gas chromatography (Piletz, J.E. (185) 165)

**Methyl conjugation**

Nicotinamide *N*-methyltransferase; Pyridinium ion; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

**3-Methylcrotonyl-CoA carboxylase**

3-Methylglutaconyl-CoA hydratase; 3-Hydroxy-3-methylglutaryl-CoA lyase; Coupled enzyme assay (Narisawa, K. (184) 57)

**3-O-Methyldopa**

3,4-Dihydroxyphenylalanine; Plasma DOPA; Cerebrospinal fluid DOPA; HPLC-ECO (Boomsma, F. (178) 59)

**3-Methylglutaconyl-CoA hydratase**

3-Methylcrotonyl-CoA carboxylase; 3-Hydroxy-3-methylglutaryl-CoA lyase; Coupled enzyme assay (Narisawa, K. (184) 57)

***N*-Methylhydantoin amidohydrolase**

Creatinine analysis; Enzymatic analysis; Creatinine deiminase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Methylmalonic acidemia**

Methylmalonyl CoA mutase; High-performance liquid chromatography (HPLC) (Kikuchi, M. (184) 307)

**Methylmalonyl CoA mutase**

Methylmalonic acidemia; High-performance liquid chromatography (HPLC) (Kikuchi, M. (184) 307)

**2-Methyl-6[*p*-methoxyphenyl]3,7-dihydroimidazo[1,2- $\alpha$ ]pyrazin-3-one**

Chemiluminescence; Activated granulocyte; Activated monocyte; Superoxide anion (Nishida, A. (179) 177)

**5-Methyltetrahydrofolic acid**

Folic acid; 5-Formyltetrahydrofolic acid (Leeming, R.J. (180) 241)

**Methyltransferase**

Betaine; Nuclear magnetic resonance; Choline; Pediatrics (Davies, S.E.C. (178) 241)

**MHC**

Blood; Bone-marrow; Class II; Transplantation (Thompson, S. (185) 45)

**MHPG**

3-Methoxy-4-hydroxyphenylglycol; Plasma; Gas chromatography (Piletz, J.E. (185) 165)

**Microalbuminuria**

One-step sandwich enzyme immunoassay; Monoclonal antibody; Diabetes mellitus (Niwa, T. (186) 391)

**Microbial polyamine synthesis**

Polyamine; Gastrointestinal tract decontamination; Urinary tract infection (Satink, H.P.W.M. (179) 305)

 **$\alpha_1$ -Microglobulin**

$\beta_2$ -Microglobulin; Retinol binding protein; Tubular protein (Donaldson, M.D.C. (179) 73)

 **$\beta_2$ -Microglobulin**

$\alpha_1$ -Microglobulin; Retinol binding protein; Tubular protein (Donaldson, M.D.C. (179) 73)

**Microheterogeneity**

$\alpha_1$ -Acid glycoprotein; CAPD; Renal failure (Fraeyman, N.H. (181) 47)

alpha 1-Acid glycoprotein; Liver disease; Carbohydrate; Fucose (Biou, D. (186) 59)

**Middle molecule**

Uremic sera; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

**Minor hemoglobin component**

Glycated hemoglobin; Hypoglycemia (Niketic, V. (180) 121)

**Mitochondria**

Enzyme; Isoenzyme; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

**Mitochondrial AST**

Ischemia; AST-isozyme; Bleb (Kamiike, W. (185) 265)

**Mitomycin-C**

Inhibition; Erythrocyte glutathione reductase; Ariboflavinosis; FAD (Okuda, J. (181) 37)

**Modified nucleoside**

Pseudouridine; Hepatocellular carcinoma; Tumor marker (Amuro, Y. (178) 151)

Pseudouridine; Anti-pseudouridine monoclonal antibody; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

**Molecular mechanisms**

Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

**Monoblast**

Glycosylation; Glycosyltransferase; Monocyte; Leukemia (Francina, A. (183) 301)

**Monoclonal antibodies**

Cholestasis; Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Pregnancy; Serum (Isaksson, A. (183) 155)

**Monoclonal antibody**

Apolipoprotein A-I; ELISA; Immunoquantitation; HDL (Bojanovski, M. (178) 159)

Human pancreatic secretory trypsin inhibitor (PSTI); Enzyme immunoassay; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Apo A-I, rabbit and human; Enzyme-linked immunosorbent assay, ELISA (Leroy, A. (179) 85)

Alkaline phosphatase; Electrophoresis; Lectin affinity; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

Sandwich immunoassay; Human type IV collagen (Obata, K.-i. (181) 293)

Enzyme-linked immunosorbent assay (ELISA); Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Digestive cancer (Oka, S. (182) 209)

Human serum pancreatic lipase; Enzyme immunoassay; Immunosorbent enzyme assay (Ohkaru, Y. (182) 295)

$\alpha$ -Amylase; Pancreas; Isoenzyme; Synergistic inhibition (Rauscher, E. (183) 41)

Enzyme; Isoenzyme (Rosalki, S.B. (183) 45)

Platelet-derived growth factor; Radioimmunoassay (RIA) (Shiraishi, T. (184) 65)

Bilirubin; Immunoaffinity chromatography (Izumi, Y. (184) 99)

Glycated albumin; ELISA; Diabetes; Glycemic control (Hud, E. (185) 157)

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Quality control; Test interference (Seth, J. (186) 67)

Placental-like alkaline phosphatase; Human ovary; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

Alkaline phosphatase; Enzyme immunoassay; Radioimmunoassay (Hill, C.S. (186) 315)

Microalbuminuria; One-step sandwich enzyme immunoassay; Diabetes mellitus (Niwa, T. (186) 391)

**Monoclonal gammopathy**

B lymphocyte; M-protein (Osterland, C.K. (180) 1)

**Monocyte**

Glycosylation; Glycosyltransferase; Leukemia; Monoblast (Francina, A. (183) 301)

**Monocytes**

Glucocorticoid and insulin receptors; Type 1 diabetes mellitus (Damm, P. (184) 167)



**Monomer activity**

Cholesterol; Nucleation time; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

**Mononuclear cells**

Adenine incorporation rate; Phagocytic cells; Glucose tolerance; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

**Monooxygenase**

Erythrocyte; Hemolysate; Transketolase; Artefacts; Methemoglobin (Grudzinski, A. (180) 265)

**Morphine**

Enzyme immunoassay; Drugs of abuse; Urine narcotic analysis (Laurie, D. (183) 183)

**M-protein**

Monoclonal gammopathy; B lymphocyte (Osterland, C.K. (180) 1)

**M subunit**

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

**Mucin**

Glycoprotein; Tumor-associated antigen (Imokawa, M. (180) 45)

**Multiple sclerosis**

Medullasin; Enzyme immunoassay; Behçet's disease (Aoki, Y. (178) 193)

CSF-albumin; Reference values; Children; Meningitis (Öhman, S. (181) 265)

ELISA; Free immunoglobulin kappa light chains; Cerebrospinal fluid; Inflammatory nervous system disorders (Lolli, F. (182) 229)

**Multivariate analysis**

Secretin pancreozymin test; Percentile estimate; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

**Myeloproliferative syndrome**

Red cell; Hemolytic anemia; Sickle cell disease; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

**Myocardial infarction**

Human ventricular myosin light chain 1 (Wang, J. (181) 325)

Phospholipase A; Pancreatitis; Inflammation; Septicemia; Cancer (Hoffmann, G.E. (183) 59)

Arylesterase (Secchiero, S. (183) 71)

Serum amyloid A; Acute phase response; Lipoprotein (Bausserman, L.L. (184) 297)

Lp(a) lipoprotein; Lipoprotein electrophoresis; Cerebral infarction (Kawakami, K. (185) 147)

**Myocardial ischemia**

Human heart; Xanthine oxidase; Purine catabolites; Adenosine (Smoleński, R.T. (182) 63)

# N

## **N-acetyl- $\beta$ -Glucosaminidase**

Serum fructosamine; Albuminuria; Diabetic pregnancy (Škrha, J. (182) 281)

## **NADH<sub>2</sub>**

Erythrocyte diaphorase; Ferricyanide; Cytochrome *b<sub>5</sub>*; Methemoglobin; Reductase (Papan-dreou, P. (181) 189)

## **NAG**

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; AAP; GGT;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

## **Natural killer cell**

Neutrophil; Seminal fluid; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

## **NEFA**

Unbound fraction; Serum (Lim, C.-F. (186) 31)

## **Neonatal screening**

Sickle cell; HPLC (Shapira, E. (182) 301)

## **Neoplastic disease**

CK-BB; Tumor marker (Arenas, J. (182) 183)

## **Neural differentiation**

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## **Neuraminidase treatment**

Alkaline phosphatase; Electrophoresis; Lectin affinity; Monoclonal antibody; PI-anchor (Mura, M. (180) 177)

## **Neuroblastoma**

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## **Neuroendocrine and paraneuronal cell**

Neuron specific enolase; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## **Neuron specific enolase**

gamma-gamma Enolase; Bioluminescence; Cerebrospinal fluid (Wevers, R.A. (178) 141)

Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## **Neuropeptide Y (NPY)**

Radioimmunoassay; Chronic renal failure; Uremia; Pheochromocytoma (Stridsberg, M. (185) 61)

## **Neurotransmitter**

Tetrahydrobiopterin; *Streptozotocin*; Dihydropyridine reductase (Hamon, C.G. (181) 249)

## **Neurovenereological disease**

CSF-IgM; IgM-index; IgG-index (Van Kamp, G.J. (183) 295)

## **Neutron activation analysis**

Antimony; Leishmaniasis; Hair; Therapy (Jose, (179) 341)

## **Neutrophil**

Natural killer cell; Seminal fluid; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

## **Nicotinamide N-methyltransferase**

Methyl conjugation; Pyridinium ion; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

## **<sup>15</sup>N-labelled internal standard**

Tyrosinemia; Succinylacetone; Isotope dilution; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

## **NMR relaxation**

Amyotrophic lateral sclerosis; Erythrocyte membrane; Water exchange (Monti, J.P. (185) 53)

## **Non-enzymatic glycosylation or glycation**

Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

**Non-esterified fatty acids**

Diabetes mellitus; Glucose; Acetate (Akanji, A.O. (185) 25)

**Non-isotopic immunoassay**

CEDIA<sup>TM</sup>; Homogenous enzyme immunoassay;  $\beta$ -Galactosidase (Khanna, P.L. (185) 231)

**Nonspecific reaction**

Serum; ELISA; hTNF- $\alpha$  (Abe, Y. (181) 223)

**Normal pregnancy**

$\alpha_2$  Pregnancy-associated protein; Serum concentration; Rocket assay (Nakai, M. (182) 103)

**Normal value**

Serum amyloid A protein (SAA); Enzyme immunoassay (EIA) (Yamada, T. (179) 169)

**Novel alkaline phosphatase**

Gastric carcinoma (Imanishi, H. (186) 309)

**Nuclear magnetic resonance**

Betaine; Choline; Methyltransferase; Pediatrics (Davies, S.E.C. (178) 241)

**Nucleation time**

Cholesterol; Monomer activity; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

# O

## Octadeca-9,11-dienoic acid

Cervix; Cancer; Diene conjugation (Parham, D.M. (182) 289)

Free radical; Cervical intra-epithelial neoplasia (Fairbank, J. (186) 53)

## Oil

Psoriasis; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

## Oligosaccharide

GM1 gangliosidosis;  $\beta$ -Galactosidase; Subtype (Takahashi, Y. (179) 153)

## Oncogene

Transformation; Inositolphospholipid (Takenawa, T. (185) 307)

## One-step sandwich enzyme immunoassay

Microalbuminuria; Monoclonal antibody; Diabetes mellitus (Niwa, T. (186) 391)

## Organic acid

Oximation; Acetoacetic acid; Ketosis; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

## Ornithine carbamoyltransferase

Hyperammonemia;  $K_m$  variant (Rabier, D. (186) 25)

## Ornithine transcarbamylase

DNA diagnosis (Matsuda, I. (185) 283)

## Ossification (rat)

Alkaline phosphatase; Fibroblast; Gastric carcinogenesis (Hirota, N. (186) 301)

## Osteoarthritis

Collagenase; Direct extraction; Cartilage (Blankaert, A. (185) 73)

## Osteocalcin

Alkaline phosphatase; Tc-99 MDP; Age; Bone (Worsfold, M. (178) 225)

Carboxyglutamic acid; GLA; Bone resorption; HPLC (Fournier, B. (182) 173)

## Ouabain

Erythrocyte; Furosemide; Plasma sodium transport (Tepper, T. (179) 133)

## Ovarian serous cystadenocarcinoma

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian tumor; Dysgerminoma (Nozawa, S. (186) 275)

## Ovarian tumor

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ascites; Gynecological cancer (Koyama, I. (186) 295)

## Oxalate

Oxalogenesis; Bioluminescence; Ascorbate (Parkinson, I.S. (179) 97)

Calcium; Inhibitor; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

Ascorbic acid; Capillary fragility; Cholesterol; Hemodialysis; Peritoneal dialysis, continuous ambulatory (Tomson, C.R.V. (180) 255)

Phosphate; Sulphate; Ion chromatography (Politi, L. (184) 155)

Amniotic fluid; Ion-chromatography; Hyperoxaluria (Wandzilak, T.R. (185) 131)

## Oxalate oxidase

Plasma oxalate; Chronic renal failure; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

## Oxalogenesis

Oxalate; Bioluminescence; Ascorbate (Parkinson, I.S. (179) 97)



**Oximation**

Acetoacetic acid; Ketosis; Organic acid; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

**Oxypurinol**

Pyrazinamide; 5-Hydroxypyrazinamide; Allopurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

# P

## P-amylase immunoassay

Acute pancreatitis; Method comparison; Diagnostic characteristic (Sacchetti, L. (183) 95)

## Pancreas

$\alpha$ -Amylase; Isoenzyme; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)

## Pancreatic

$\alpha$ -Amylase; Acarbose; Affinity chromatography; Synthesis; Pancreatitis (Ogden, J.M. (180) 129)

## Pancreatic pseudocyst

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria (Lott, J.A. (183) 33)

## Pancreatitis

$\alpha$ -Amylase; Acarbose; Affinity chromatography; Synthesis; Pancreatic (Ogden, J.M. (180) 129)

Amylase; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

Phospholipase A; Inflammation; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

Trypsin; Trypsinogen; Protease inhibitor; Uremia; Immunoassay (Kimland, M. (184) 31)

## Parathyroid hormone

Immunoassay; Chemiluminescence; Primary hyperparathyroidism (St. John, A. (178) 215)

## Particle, paramagnetic

Urinary albumin; Chemiluminescence; Acridinium ester; Immunoassay (Horton, J.K. (186) 45)

## Pathogenesis

Molecular mechanisms; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

## PCR method

Polymorphism; Transthyretin; Prealbumin; DNA diagnosis (Sakaki, Y. (185) 289)

## Pediatric chemistry

Serum copper; Highly sensitive reagent; Colorimetry (Makino, T. (185) 7)

## Pediatrics

Betaine; Nuclear magnetic resonance; Choline; Methyltransferase (Davies, S.E.C. (178) 241)

## Penicillamine

$\alpha$ -1-Antitrypsin; Isoelectric focusing; Sulphydryl group (Whitehouse, D.B. (179) 109)

## Penicillinase

FSH; LH; ELISA; Urinary gonadotropins (Desai, M. (184) 315)

## Pentosan polysulphate

Calcium; Oxalate; Inhibitor; Glycosaminoglycan (Fellström, B. (180) 213)

## Percentile estimate

Secretin pancreozymin test; Multivariate analysis; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

## Peripheral vascular disease

High density lipoprotein; Cholesteryl ester transfer; Atherosclerosis; Cholesterol; Triglyceride (Rühling, K. (184) 289)

## Peritoneal dialysis, continuous ambulatory

Ascorbic acid; Capillary fragility; Cholesterol; Hemodialysis; Oxalate (Tomson, C.R.V. (180) 255)

## Peritoneal fluid

Alkaline phosphatase; Endometriosis (Kang, J.O. (186) 285)

## Peroxidase

Enzyme immunoassay; Enzyme-labelling;  $\beta$ -D-Galactosidase; Antigen; Antibody (Ishikawa, E. (185) 223)

**PGE<sub>2</sub>**

Interleukin-1; Anti-inflammatory; Fibroblasts; Assay automation (Maloff, B.L. (180) 73)

**Phaeochromocytoma**

Neuropeptide Y (NPY); Radioimmunoassay; Chronic renal failure; Uremia (Stridsberg, M. (185) 61)

**Phagocytic cells**

Adenine incorporation rate; Mononuclear cells; Glucose tolerance; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

**Pharmacokinetics**

Butyrate; Experimental animal; Man (Daniel, P. (181) 255)

**Phenylacetylglutamine**

Uremic sera; Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid (Kaplan, B. (185) 119)

**Phloretin**

Ageing; Amiloride; Erythrocyte; Sodium transport (Carr, S. (178) 51)

**Phosphate**

Oxalate; Sulphate; Ion chromatography (Politi, L. (184) 155)

**Phosphatidylglycerol**

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylinositol (Honda, Y. (181) 11)

**Phosphatidylinositol**

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylglycerol (Honda, Y. (181) 11)

Phospholipase; Alkaline phosphatase (Hamilton, B.A. (186) 249)

**Phosphatidylinositol cycle**

Red cell; Hemolytic anemia; Sick cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase (Boivin, P. (182) 165)

**Phosphatidylinositol kinase**

Red cell; Hemolytic anemia; Sick cell disease; Myeloproliferative syndrome; Phosphatidylinositol cycle (Boivin, P. (182) 165)

**Phosphatidylinositol phospholipase C**

Alkaline phosphatase; Sodium dodecyl sulfate; Tetramer (Hawrylak, K. (186) 197)

**Phosphoinositide**

Cystic fibrosis; Erythrocyte; Phospholipase C (Doughney, C. (181) 55)

**Phospholipase**

Phosphatidylinositol; Alkaline phosphatase (Hamilton, B.A. (186) 249)

**Phospholipase A**

Pancreatitis; Inflammation; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

**Phospholipase C**

Cystic fibrosis; Erythrocyte; Phosphoinositide (Doughney, C. (181) 55)

**Phospholipid**

Amniotic fluid; Cold acetone precipitation; Surfactant (Budria, R.J. (180) 141)

**Phospholipids storage**

Lysosome; Catabolism (Bargal, R. (181) 167)

**Photon counting**

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Continuous-flow system (Oda, K. (185) 17)

**Photosensitizer**

Porphyrin; Light; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

**Physiological salt solutions**

Carbon dioxide tension; Bicarbonate (Abrahamson, J. (185) 1)

**PI-anchor**

Alkaline phosphatase; Electrophoresis; Lectin affinity; Monoclonal antibody; Neuraminidase treatment (Miura, M. (180) 177)

**Pituitary**

Gonadotrophin; Blood analysis; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**Placenta**

Amniotic fluid; Angiotensinogen; Decidua; Renin substrate (Metsärinne, K. (180) 221)

Metabolism; Androstenedione; Aromatization; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

#### **Placental**

Liver/bone/kidney; Intestinal; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

#### **Placental alkaline phosphatase (PLAP)**

CA54/61; CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

#### **Placental-like**

Liver/bone/kidney; Placental; Intestinal; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

#### **Placental-like alkaline phosphatase**

Heterogeneity; Seminoma; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

Monoclonal antibody; Human ovary; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

#### **Placental-like AP**

Alkaline phosphatase (AP); Sugar moiety; Metastatic potential; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

#### **Placental protein 14**

Endometrial protein; Immunofluorometric assay; Follicular fluid (Riittinen, L. (183) 115)

Amniotic fluid; Endometrial protein; Protein purification; Amino acid sequence; Progestagen-dependent endometrial protein (Riittinen, L. (184) 19)

#### **Plant lignan**

Urine; Human; Metabolism; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

#### **Plant sterol**

Squalene; Lathosterol; Desmosterol; Campesterol; Sitosterol (Gylling, H. (178) 41)

#### **Plasma**

Fibronectin; Breast cancer; Laser nephelometry (Ruelland, A. (178) 283)

Quantitation; Gas chromatography; Mass spectrometry; Vitamin D<sub>2</sub> metabolites (Coldwell, R.D. (180) 157)

Cystic fibrosis protein; Lactoferrin; Serum; Granulocyte (Barthe, C. (181) 183)

Propionate; Stable isotope; Bromophenacyl bromide (Walter, J.H. (182) 141)

Free fatty acids; Gas-liquid chromatography; Lipid extraction; Thin layer chromatography (Tichelaar, H.Y. (183) 207)

3-Methoxy-4-hydroxyphenylglycol; MHPG; Gas chromatography (Piletz, J.E. (185) 165)

#### **Plasma dexamethasone**

Dexamethasone suppression test; Depressive disorder (Lejeune-Lenain, C. (179) 13)

#### **Plasma DOPA**

3,4-Dihydroxyphenylalanine; Cerebrospinal fluid DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

#### **Plasma lipoprotein**

Erythrocyte; Cholesterol; Sick cell anemia (Ngogang, J. (179) 295)

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

#### **Plasma oxalate**

Oxalate oxidase; Chronic renal failure; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

#### **Plasma porphyrin**

*Porphyria cutanea tarda* (Adjarov, D.G. (181) 143)

#### **Plasma sodium transport**

Erythrocyte; Furosemide; Ouabain (Tepper, T. (179) 133)

#### **Plasmin**

Plasminogen activators; Chromogenic method; Corneal and conjunctival diseases; Tears (Tózsér, J. (183) 323)



**Plasminogen activators**

Plasmin; Chromogenic method; Corneal and conjunctival diseases; Tears (Tözsér, J. (183) 323)

**Platelet**

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte (Corrocher, R. (179) 121)

**Platelet-derived growth factor**

Radioimmunoassay (RIA); Monoclonal antibody (Shiraishi, T. (184) 65)

**Polyacrylamide gel electrophoresis**

Creatine kinase BB isoenzyme; Radioimmunoassay; Human placenta (Geng, J.-G. (181) 1)

**Polyamine**

Gastrointestinal tract decontamination; Urinary tract infection; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

**Polyethylene glycol**

Fibronectin; Immune complexes; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

**Polymerase chain reaction (PCR)**

Biotinylated oligonucleotides; Enzymatic amplification; Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

**Polymorphism**

Transthyretin; Prealbumin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

Liver/bone/kidney; Placental; Intestinal; Placental-like; DNA; Malignancy (Harris, H. (186) 133)

**Porphobilinogen deaminase**

Acute intermittent porphyria; ELISA (Lannfelt, L. (183) 227)

***Porphyria cutanea tarda***

Plasma porphyrin (Adjarov, D.G. (181) 143)

**Porphyria**

Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

**Prealbumin**

Polymorphism; Transthyretin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

**Precision**

Serum lipoprotein; Assay; Variability; Storage; Accuracy (Tiedink, H.G.M. (180) 147)

**Prediction**

Alkaline phosphatase; Three dimensional structure; Structure refinement (Kim, E.E. (186) 175)

**Predictive value**

Secretin pancreozymin test; Percentile estimate; Multivariate analysis; Receiver-operator curve (Hunt, L.P. (186) 91)

**Pregnancy**

$\beta$ -D-N-Acetylglucosaminidase isozyme; Automated procedure; Human plasma (Goi, G. (179) 327)

Serum human chorionic gonadotrophin levels (Ooi, D.S. (181) 281)

Cholestasis; Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Serum (Isaksson, A. (183) 155)

SADA; Sex; Age; Intraindividual variation (Åvall-Lundqvist, E. (185) 35)

 **$\alpha_2$  Pregnancy-associated protein**

Normal pregnancy; Serum concentration; Rocket assay (Nakai, M. (182) 103)

**Premature baby**

2,3-Butanediol; Acetoin; Capillary gas chromatography; Mass spectrometry; Gut bacteria (Mills, G.A. (179) 51)

**Prenatal diagnosis**

HPLC;  $^{35}\text{S}$ -Cystine; Cystinosis (Hall, N.A. (184) 1)

**Pretreatment with Oradexone and Ambroxol**

Red blood cell; Antioxidant enzyme; Lipid peroxidation comparison (Novák, Z. (182) 241)

**Primary biliary cirrhosis**

Antimitochondrial antibodies; Radioimmunoassay; Enzyme immunoassay (Plebani, M. (181) 201)

**Primary hyperparathyroidism**

Parathyroid hormone; Immunoassay; Chemiluminescence (St. John, A. (178) 215)

**Processing**

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

**Procollagen**

Selenium; Liver; Cirrhosis; Fibrosis; Fibronectin (Casaril, M. (182) 221)

**Procollagen III peptide**

Fibronectin; Liver fibrosis; Alcohol liver disease (Gabielli, G.B. (179) 315)

**Progestagen-dependent endometrial protein**

Placental protein 14; Amniotic fluid; Endometrial protein; Protein purification; Amino acid sequence (Riittinen, L. (184) 19)

**Progesterone receptor**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor (Machotka, S.V. (184) 207)

**Prolidase deficiency**

Leukocytes prolidase (Kodama, H. (180) 65)

**Propionate**

Stable isotope; Bromophenacyl bromide; Plasma (Walter, J.H. (182) 141)

**Prostaglandin E<sub>2</sub>**

Second antibody solid-phase enzyme immunoassay; Human gastric juice (Orsini, B. (178) 305)

**Prostatic carcinoma**

Glutathione peroxidase; Glutathione transferase; Glutathione-related enzyme activity (Aceto, A. (183) 83)

**Protease inhibitor**

Trypsin; Trypsinogen; Pancreatitis; Uremia; Immunoassay (Kimland, M. (184) 31)

**Protein C**

Protein S; Free protein S; C4b-binding protein; Acquired protein S deficiency (Takahashi, H. (182) 195)

Homogeneous EIA (H-EIA); Horseradish peroxidase (HRP) (Suzuki, K. (184) 227)

**Protein kinase C**

Sphingosine; Lysosphingolipid (Hannun, Y.A. (185) 331)

**Protein purification**

Placental protein 14; Amniotic fluid; Endometrial protein; Amino acid sequence; Progestagen-dependent endometrial protein (Riittinen, L. (184) 19)

**Protein S**

Free protein S; C4b-binding protein; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

ELISA; C4b-BP-protein S complexes; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**Protein S deficiency**

Protein S; ELISA; C4b-BP-protein S complexes; Free protein S; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**Proteinuria**

Albuminuria; Immunoassay; Diabetic nephropathy (Neuman, R.G. (179) 229)

Sickle cell disease; Renal disease; Electrophoresis (Lonsdorfer, A. (181) 239)

**Proto-oncogenes**

Breast cancer; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Protoporphyrin IX**

Zinc protoporphyrin; Lead poisoning; Iron deficiency (Orfanos, A.P. (181) 213)

**Pseudouridine**

Modified nucleoside; Hepatocellular carcinoma; Tumor marker (Amuro, Y. (178) 151)

Modified nucleoside; Anti-pseudouridine monoclonal antibody; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

**Psoriasis**

Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Fatty acid; Lipid; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**Pulmonary alveolar proteinosis**

Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

**Pulmonary surfactant**

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

**Purification**

Dipeptidyl aminopeptidase IV; Human kidney (Wolf, G.B. (179) 61)

**Purine catabolites**

Human heart; Myocardial ischemia; Xanthine oxidase; Adenosine (Smoleński, R.T. (182) 63)

**Pyrazinamide**

5-Hydroxypyrazinamide; Allopurinol; Oxypurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

**Pyridinium ion**

Nicotinamide *N*-methyltransferase; Methyl conjugation; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

**Pyrimidine nucleoside phosphorylase**

Uridine; 5'-Deoxy-5-fluorouridine; High-performance liquid chromatography (Laurense, E.J. (178) 71)

**Pyrimidine 5'-nucleotidase**

Pyrimidine nucleotides; Heterozygote detection; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

**Pyrimidine nucleotides**

Pyrimidine 5'-nucleotidase; Heterozygote detection; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

# Q

**Quality control**

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**Quantitation**

Gas chromatography; Mass spectrometry; Vitamin D<sub>2</sub> metabolites; Plasma (Coldwell, R.D. (180) 157)



# R

## Radioenzyme assay

Drugs; Histamine (Harvima, R.J. (180) 231)

## Radioimmunoassay

Urinary kallikrein; Trypsin activation; Bioassay; Essential hypertension (Maier, M. (178) 127)

Atrial natriuretic peptide; Exercise; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

Creatine kinase BB isoenzyme; Human placenta; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

Primary biliary cirrhosis; Antimitochondrial antibodies; Enzyme immunoassay (Plebani, M. (181) 201)

Fibronectin; Lipoprotein; Atherosclerosis (Cseh, K. (182) 75)

Deoxyribonuclease I; Enzymatic assay; Cancer; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

Glutathione S-transferase; Human; Bile; Bile salts (Howie, A.F. (184) 269)

Neuropeptide Y (NPY); Chronic renal failure; Uremia; Pheochromocytoma (Stridsberg, M. (185) 61)

Recombinant erythropoietin (Matsubara, K. (185) 177)

Alkaline phosphatase; Enzyme immunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

## Radioimmunoassay (RIA)

Platelet-derived growth factor; Monoclonal antibody (Shiraishi, T. (184) 65)

## Radioisotopic exchange-HPLC

Acylcarnitine; Urine, human (Schmidt-Sommerfeld, E. (181) 231)

## Radiometric analysis

Metabolism; Androstenedione; Placenta; Aromatization; Hypertension (Hähnel, M.E. (181) 103)

## ras

G protein; Signal transduction (Yamamoto, K. (185) 345)

## Rat

Gastrotoxicity; Duodenogastric reflux; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

$\alpha$ 1-Acid glycoprotein; Inflammation; Con A affinity; Crossed affinity immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

## Rats

Intestine; Ischemia; Creatine kinase; Lactate dehydrogenase (Roth, M. (183) 65)

## Receiver-operator curve

Secretin pancreozymin test; Percentile estimate; Multivariate analysis; Predictive value (Hunt, L.P. (186) 91)

## Recombinant erythropoietin

Radioimmunoassay (Matsubara, K. (185) 177)

## Red blood cell

Antioxidant enzyme; Lipid peroxidation comparison; Pretreatment with Oradexone and Ambroxol (Novák, Z. (182) 241)

## Red cell

Hemolytic anemia; Sick cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

## Reductase

Erythrocyte diaphorase; NADH<sub>2</sub>; Ferricyanide; Cytochrome b<sub>5</sub>; Methemoglobin (Papandreou, P. (181) 189)

**Reference values**

Electrolyte; Circadian variations; Seasonal variations; Aging (Touitou, Y. (180) 245)

CSF-albumin; Multiple sclerosis; Children; Meningitis (Öhman, S. (181) 265)

Amino acids; Cerebrospinal fluid; Childhood; Ion-exchange chromatography with fluorimetric detection (Gerrits, G.P. (182) 271)

**Renal disease**

Sickle cell disease; Proteinuria; Electrophoresis (Lonsdorfer, A. (181) 239)

**Renal failure**

$\alpha_1$ -Acid glycoprotein; CAPD; Microheterogeneity (Fraeyman, N.H. (181) 47)

Fructosamine; Hypoalbuminemia; Bilirubin (Dominiczak, M.H. (182) 123)

**Renin**

Angiotensin; Bradykinin; Angiotensin I-converting enzyme (kininase II); Catecholamine (Yamamoto, T. (181) 197)

**Renin substrate**

Amniotic fluid; Angiotensinogen; Decidua; Placenta (Metsärinne, K. (180) 221)

**Renovascular surgery**

Urinary lysosomal enzyme; Brush border enzyme; NAG; AAP; GGT;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

**Reproductive system**

$\gamma$ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Serial lectin affinity chromatography; Kidney (Arai, K. (184) 75)

**Retinol binding protein**

$\alpha_1$ -Microglobulin;  $\beta_2$ -Microglobulin; Tubular protein (Donaldson, M.D.C. (179) 73)

**Reverse transcriptase**

Activity gel method; AIDS virus (Bertazzoni, U. (183) 101)

**Reye's syndrome**

Lipase; Lipoprotein lipase; Hepatic lipase; Intravascular lipolysis (Kang, E.S. (184) 107)

**Rheumatic disease**

Collagen (Myllylä, R. (183) 243)

**Rheumatoid arthritis**

Hyaluronic acid; Binding protein assay; Hyaluronic acid binding protein (Chichibu, K. (181) 317)

Serum; Haptoglobin; Glycosylation (Thompson, S. (184) 251)

Latent collagenase; Trypsin activation; Collagenase inhibitor; Synovial fluid (Tagawa, M. (186) 119)

**Risk persons**

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Glucose tolerance; Insulin-dependent diabetes (Schäfer, J.H. (183) 333)

**Rocket assay**

$\alpha_2$  Pregnancy-associated protein; Normal pregnancy; Serum concentration (Nakai, M. (182) 103)

# S

## SADA

Sex; Age; Pregnancy; Intraindividual variation (Åvall-Lundqvist, E. (185) 35)

## Saliva

Corticosteroid; Adrenal function (Bolufer, P. (183) 217)

## Sandwich immunoassay

Human type IV collagen; Monoclonal antibody (Obata, K.-i. (181) 293)

## Screening

Antigliadin antibodies; Coeliac disease; ELISA; IgA isotyping (Elewaut, A. (183) 285)

## Seasonal variations

Electrolyte; Circadian variations; Aging; Reference values (Touitou, Y. (180) 245)

## Second antibody solid-phase enzyme immunoassay

Prostaglandin E<sub>2</sub>; Human gastric juice (Orsini, B. (178) 305)

## Secondary infection

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity (Maeda, H. (185) 355)

## Second derivative

Coproporphyrin; Hemoglobin; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

## Secretin pancreozymin test

Percentile estimate; Multivariate analysis; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

## Selenium

Liver; Cirrhosis; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

## Seminal fluid

Neutrophil; Natural killer cell; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

## Seminoma

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma (Kaiser, E. (183) 13)

Heterogeneity; Placental-like alkaline phosphatase; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

## Septicemia

Phospholipase A; Pancreatitis; Inflammation; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

## Sequence homology

Site-directed mutagenesis; Expression; Immunocytochemistry Immunoassay; Structure-function (Narisawa, S. (186) 189)

## Serial lectin affinity chromatography

$\gamma$ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Reproductive system; Kidney (Arai, K. (184) 75)

## Serum

Aluminium; Hair; Bone; Histomorphometry (Chappuis, P. (179) 271)

Glutamate dehydrogenase; Alcohol; Ethanol withdrawal (Weill, J. (179) 323)

Cystic fibrosis protein; Lactoferrin; Plasma; Granulocyte (Barthe, C. (181) 183)

Nonspecific reaction; ELISA; hTNF- $\alpha$  (Abe, Y. (181) 223)

Hydroxycholesterol; Lipid; Lipoprotein; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Carnitine; Urine; Spectrophotometric assay (Schäfer, J. (182) 87)

Cholestasis; Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy (Isaksson, A. (183) 155)

Total lipids; Enzymatic analysis (Akins, J.R. (184) 219)

Haptoglobin; Glycosylation; Rheumatoid arthritis (Thompson, S. (184) 251)

Unbound fraction; NEFA (Lim, C.-F. (186) 31)

#### **Serum albumin**

Serum biotinidase activity; Liver disease; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

#### **Serum amyloid A**

Myocardial infarction; Acute phase response; Lipoprotein (Bausserman, L.L. (184) 297)

#### **Serum amyloid A protein (SAA)**

Enzyme immunoassay (EIA); Normal value (Yamada, T. (179) 169)

#### **Serum biotinidase activity**

Serum albumin; Liver disease; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

#### **Serum calcium**

Uremic toxins; Hippurates; Lactate dehydrogenase; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

#### **Serum catalase disappearance**

Catalase; Acute pancreatitis; Hemolysis (Góth, L. (186) 39)

#### **Serum cholinesterase**

Acetylcholinesterase (Panteghini, M. (183) 87)

#### **Serum concentration**

$\alpha_2$  Pregnancy-associated protein; Normal pregnancy; Rocket assay (Nakai, M. (182) 103)

#### **Serum copper**

Highly sensitive reagent; Colorimetry; Pediatric chemistry (Makino, T. (185) 7)

#### **Serum enzyme**

Serum biotinidase activity; Serum albumin; Liver disease; Hepatic function (Grier, R.E. (186) 397)

#### **Serum ferritin**

ELISA immunoassay; Isoferritin; Tumor marker (Cozzi, A. (184) 197)

#### **Serum fructosamine**

*N*-acetyl- $\beta$ -Glucosaminidase; Albuminuria; Diabetic pregnancy (Škrha, J. (182) 281)

#### **Serum human chorionic gonadotrophin levels**

Pregnancy (Ooi, D.S. (181) 281)

#### **Serum lipoprotein**

Assay; Variability; Storage; Accuracy; Precision (Tiedink, H.G.M. (180) 147)

#### **Serum sialic acid**

Enzymatic assay; *N*-Acylmannosamine dehydrogenase (Horiuchi, T. (182) 117)

#### **Serum triglyceride, measurement of**

Free glycerol interference (Artiss, J.D. (182) 109)

#### **Sex**

SADA; Age; Pregnancy; Intraindividual variation (Åvall-Lundqvist, E. (185) 35)

#### **Sex and age differences**

Competition ELISA; Bone Gla protein (osteocalcin) (Egsmose, C. (184) 279)

#### **Shedding**

Human kidney; Tubular damage; Membrane enzymes; Tissue-proteinuria (Scherberich, J.E. (185) 271)

#### **Sickle cell**

Neonatal screening; HPLC (Shapira, E. (182) 301)

#### **Sickle cell anemia**

Erythrocyte; Plasma lipoprotein; Cholesterol (Ngogang, J. (179) 295)

#### **Sickle cell disease**

Renal disease; Proteinuria; Electrophoresis (Lonsdorfer, A. (181) 239)

Red cell; Hemolytic anemia; Myeloproliferative syndrome; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

#### **Signal transduction**

G protein; *ras* (Yamamoto, K. (185) 345)

#### **Singlet oxygen**

Porphyrin; Photosensitizer; Light; Hydrogen peroxide (Menon, I.A. (186) 375)

#### **Site-directed mutagenesis**

Sequence homology; Expression; Immunocytochemistry Immunoassay; Structure-function (Narisawa, S. (186) 189)



**Sitosterol**

Squalene; Lathosterol; Desmosterol; Campesterol; Plant sterol (Gylling, H. (178) 41)

**Slow moving protease**

Enzyme immunoassay; Acid proteinase (Matsusako, K. (181) 19)

**Small bowel bacterial overgrowth**

Bile acid, serum unconjugated, conjugated, and primary; [<sup>14</sup>C]Glycocholate breath test; Enzymatic fluorimetry; Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

**Small cell lung carcinoma**

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Neuroblastoma; Seminoma (Kaiser, E. (183) 13)

**Sodium dodecyl sulfate**

Alkaline phosphatase; Phosphatidylinositol phospholipase C; Tetramer (Hawrylak, K. (186) 197)

**Sodium dodecyl sulfate-polyacrylamide gel electrophoresis**

Uremic sera; Middle molecule; High-performance liquid chromatography; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

**Sodium influx**

Diabetes; Hypertension; Sodium-Potassium pump; Furosemide; Erythrocyte (Chimori, K. (183) 263)

**Sodium-Potassium pump**

Diabetes; Hypertension; Sodium influx; Furosemide; Erythrocyte (Chimori, K. (183) 263)

**Sodium transport**

Ageing; Amiloride; Erythrocyte; Phloretin (Carr, S. (178) 51)

**Solid-phase antibody**

Dynospheres<sup>®</sup>; Carbonyldiimidazole; Tosyl chloride; Immunopurification (McConway, M.G. (179) 265)

**Sorbitol dehydrogenase**

Fructose; Fluorimetry; Erythrocyte (Liu, S.-Q. (181) 219)

**Spectrophotometric assay**

Carnitine; Serum; Urine (Schäfer, J. (182) 87)

**Spectrophotometric enzyme assay**

Glucose-6-phosphate dehydrogenase deficiency; Chromate inhibition test; Cytochemical assay (Jonges, G.N. (181) 135)

**Spectrophotometry**

Bromide; Fluorescein (Trapp, S.A. (181) 207)

4-Hydroxyproline; Urine; HPLC (Ho, K.-C. (185) 191)

**Sphingosine**

Protein kinase C; Lysosphingolipid (Hannun, Y.A. (185) 331)

**Squalene**

Lathosterol; Desmosterol; Campesterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

**Stable isotope**

Propionate; Bromophenacyl bromide; Plasma (Walter, J.H. (182) 141)

**Stomach**

Gastrotoxicity; Duodenogastric reflux; Rat; Deoxycholic acid; Gastric; Bile acid (Armstrong, D. (178) 313)

**Storage**

Serum lipoprotein; Assay; Variability; Accuracy; Precision (Tiedink, H.G.M. (180) 147)

**Streptozotocin**

Tetrahydrobiopterin; Dihydropteridine reductase; Neurotransmitter (Hamon, C.G. (181) 249)

**Structure-function**

Site-directed mutagenesis; Sequence homology; Expression; Immunocytochemistry Immunoassay (Narisawa, S. (186) 189)

**Structure refinement**

Alkaline phosphatase; Three dimensional structure; Prediction (Kim, E.E. (186) 175)

**Subtype**

GM1 gangliosidosis; Oligosaccharide;  $\beta$ -Galactosidase (Takahashi, Y. (179) 153)

GM1 gangliosidosis; Galactosyl oligosaccharide  $\beta$ -galactosidase (Takahashi, Y. (179) 219)

**Succinylacetone**

Tyrosinemia; <sup>15</sup>N-labelled internal standard; Isotope dilution; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

**Sugar chain**

Alkaline phosphatase; Allelic form; Lectin affinity chromatography (Human placentas) (Sato, M. (178) 101)

Antibody-lectin enzyme immunoassay;  $\alpha$ -Feto-protein; Liver disease (Kinoshita, N. (179) 143)

**Sugar-chain heterogeneity**

$\gamma$ -Glutamyl transpeptidase; Serial lectin affinity chromatography; Reproductive system; Kidney (Arai, K. (184) 75)

**Sugar moiety**

Alkaline phosphatase (AP); Placental-like AP; Metastatic potential; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

**Sulphate**

Oxalate; Phosphate; Ion chromatography (Politi, L. (184) 155)

**Sulphydryl group**

$\alpha$ -1-Antitrypsin; Isoelectric focusing; Penicillamine (Whitehouse, D.B. (179) 109)

**Superoxide anion**

2-Methyl-6[*p*-methoxyphenyl]3,7-dihydroimidazo[1,2- $\alpha$ ]pyrazin-3-one; Chemiluminescence; Activated granulocyte; Activated monocyte (Nishida, A. (179) 177)

**Surfactant**

Phospholipid; Amniotic fluid; Cold acetone precipitation (Budria, R.J. (180) 141)

**Synergistic inhibition**

$\alpha$ -Amylase; Pancreas; Isoenzyme; Monoclonal antibody (Rauscher, E. (183) 41)

**Synovial fluid**

Polyethylene glycol; Fibronectin; Immune complexes; Arthritis (Griffiths, A.M. (184) 133)

Latent collagenase; Trypsin activation; Collagenase inhibitor; Rheumatoid arthritis (Tagawa, M. (186) 119)

**Synthesis**

$\alpha$ -Amylase; Acarbose; Affinity chromatography; Pancreatic; Pancreatitis (Ogden, J.M. (180) 129)

# T

## T<sub>3</sub>

Anti-thyroid hormone antibody; T<sub>4</sub>; ANS (Matsuda, M. (185) 139)

## T<sub>4</sub>

Anti-thyroid hormone antibody; T<sub>3</sub>; ANS (Matsuda, M. (185) 139)

## Tandem mass spectrometry

Carnitine; Assay (Kodo, N. (186) 383)

## Tc-99 MDP

Osteocalcin; Alkaline phosphatase; Age; Bone (Worsfold, M. (178) 225)

## Tears

Plasminogen activators; Plasmin; Chromogenic method; Corneal and conjunctival diseases (Tözsér, J. (183) 323)

## Tellurium

Electrothermal vaporization; Inductively coupled mass spectrometry; Biological fluid (Newman, R.A. (179) 191)

## Temperature and apolipoprotein A-I measurement

Apolipoprotein A-I, immunoreactivity of; Apolipoprotein A-I measurement, storage effects on; ELISA measurement of apolipoprotein A-I (Wang, X.L. (179) 285)

## Test interference

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Quality control; Monoclonal antibody (Seth, J. (186) 67)

## Testosterone

Enzyme immunoassay (Rajkowski, K.M. (183) 197)

## Tetrahydrobiopterin

*Streptozotocin*; Dihydropteridine reductase; Neurotransmitter (Hamon, C.G. (181) 249)

## Tetramer

Alkaline phosphatase; Phosphatidylinositol phospholipase C; Sodium dodecyl sulfate (Hawrylak, K. (186) 197)

## Therapy

Antimony; Leishmaniasis; Hair; Neutron activation analysis (Jose, (179) 341)

## Thermal inactivation

Biotinidase; HPLC assay (Hayakawa, K. (178) 95)

## Thin layer chromatography

Free fatty acids; Gas-liquid chromatography; Lipid extraction; Plasma (Tichelaar, H.Y. (183) 207)

## Three dimensional structure

Alkaline phosphatase; Structure refinement; Prediction (Kim, E.E. (186) 175)

## Thrombosis

Protein S; ELISA; C4b-BP-protein S complexes; Free protein S; Protein S deficiency (Deutz-Terlouw, P.P. (186) 321)

## Thromboxane B<sub>2</sub>

Acetylsalicylic acid; Ischemic stroke (Lee, T.-K. (184) 323)

## Thyroid antimicrosomal antibody

Autoimmune thyroiditis; Antithyroglobulin antibody; Comparison of method (Engler, H. (179) 251)

## Thyroid function

Free fatty acid; Free thyroxine; Triiodothyronine (Tikanaja, S.H. (179) 33)

## Tissue-distribution

Aldolase; Isozyme; Immunoassay (Haimoto, H. (181) 27)

## Tissue-proteinuria

Human kidney; Tubular damage; Membrane enzymes; Shedding (Scherberich, J.E. (185) 271)

## hTNF- $\alpha$

Nonspecific reaction; Serum; ELISA (Abe, Y. (181) 223)

**Tosyl chloride**

Dynospheres®; Carbonyldiimidazole; Solid-phase antibody; Immunopurification (McConway, M.G. (179) 265)

**Total lipids**

Serum; Enzymatic analysis (Akins, J.R. (184) 219)

**Transcobalamin**

Amniotic fluid; Cobalamin; Intrinsic factor; Haptocorrin (Guéant, J.L. (181) 151)

**Transformation**

Oncogene; Inositolphospholipid (Takenawa, T. (185) 307)

**Transketolase**

Erythrocyte; Hemolysate; Artefacts; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

**Transplantation**

Carbamylated haemoglobin; Chronic renal failure; CAPD; Haemodialysis (Smith, W.G.J. (178) 297)

Blood; Bone-marrow; Class II; MHC (Thompson, S. (185) 45)

**Transport**

Cation; Fatty acid; Lipid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**Transthyretin**

Polymorphism; Prealbumin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

**Triglyceride**

MaxEPA; Fish lipid concentrate (Miller, J.P. (178) 251)

Lipoprotein; Cortisol; Androstenedione; Adrenal cortex; Cholesterol (Nanjee, M.N. (180) 113)

High density lipoprotein; Cholesteryl ester transfer; Atherosclerosis; Peripheral vascular disease; Cholesterol (Rühling, K. (184) 289)

**Trihalomethane**

Hemodialysis; Breath; Dialysate (Cailleux, A. (180) 303)

Hemodialysis (Cailleux, A. (181) 75)

**3,3',5-Triiodothyronine**

Autoantibody; Hashimoto's thyroiditis (Mura-tsugu, M. (178) 171)

**Triiodothyronine**

Free fatty acid; Free thyroxine; Thyroid function (Tikanoja, S.H. (179) 33)

**Trypsin**

Trypsinogen; Pancreatitis; Protease inhibitor; Uremia; Immunoassay (Kimland, M. (184) 31)

**Trypsin activation**

Urinary kallikrein; Radioimmunoassay; Bioassay; Essential hypertension (Maier, M. (178) 127)

Latent collagenase; Collagenase inhibitor; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

**Trypsinogen**

Trypsin; Pancreatitis; Protease inhibitor; Uremia; Immunoassay (Kimland, M. (184) 31)

**Tubular damage**

Human kidney; Membrane enzymes; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)

**Tubular protein**

$\alpha_1$ -Microglobulin;  $\beta_2$ -Microglobulin; Retinol binding protein (Donaldson, M.D.C. (179) 73)

**Tumor-associated antigen**

Mucin; Glycoprotein (Imokawa, M. (180) 45)

**Tumor marker**

Pseudouridine; Modified nucleoside; Hepatocellular carcinoma (Amuro, Y. (178) 151)

CK-BB; Neoplastic disease (Arenas, J. (182) 183)

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

ELISA immunoassay; Isoferritin; Serum ferritin (Cozzi, A. (184) 197)

$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Concanavalin A; Hepatocellular carcinoma (Yoshikawa, C. (185) 315)



**Two-dimensional electrophoresis**

Human serum; Albumin interference; Immunoaffinity chromatography (Burgess-Cassler, A. (183) 359)

**Two-dimensional immunoelectrophoresis**

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Gel permeation chromatography (Bekaert, E.D. (184) 181)

**Type 1 diabetes mellitus**

Glucocorticoid and insulin receptors; Monocytes (Damm, P. (184) 167)

**Tyrosinemia**

Succinylacetone;  $^{15}\text{N}$ -labelled internal standard; Isotope dilution; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

# U

## UDP-*N*-acetylhexosamines

Pyrimidine 5'-nucleotidase; Pyrimidine nucleotides; Heterozygote detection (De Korte, D. (184) 175)

## Unbound fraction

NEFA; Serum (Lim, C.-F. (186) 31)

## Unconjugated bilirubin

Kernicterus; Human erythrocyte binding (Hayer, M. (186) 345)

## Uremia

Trypsin; Trypsinogen; Pancreatitis; Protease inhibitor; Immunoassay (Kimland, M. (184) 31)

Neuropeptide Y (NPY); Radioimmunoassay; Chronic renal failure; Pheochromocytoma (Stridsberg, M. (185) 61)

## Uremic neuropathy

Uremic toxins; Hippurates; Lactate dehydrogenase; Serum calcium; Hoffmann reflex (Schoots, A.C. (185) 91)

## Uremic sera

Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

## Uremic toxins

Hippurates; Lactate dehydrogenase; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

## Uridine

Pyrimidine nucleoside phosphorylase; 5'-Deoxy-5-fluorouridine; High-performance liquid chromatography (Laurensse, E.J. (178) 71)

## Urinary albumin

Chemiluminescence; Acridinium ester; Particle, paramagnetic; Immunoassay (Horton, J.K. (186) 45)

## Urinary antithrombin III related antigen

Immunoblot; Bioimmunoassay; Liver cirrhosis (Ueshima, S. (180) 79)

## Urinary gonadotropins

FSH; LH; ELISA; Penicillinase (Desai, M. (184) 315)

## Urinary kallikrein

Trypsin activation; Radioimmunoassay; Bioassay; Essential hypertension (Maier, M. (178) 127)

## Urinary lysosomal enzyme

Brush border enzyme; Renovascular surgery; NAG; AAP; GGT;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

## Urinary tract infection

Polyamine; Gastrointestinal tract decontamination; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

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# Leukotrienes and Lipoxygenases

edited by J. ROKACH, Merck Frosst Canada Inc.,  
Pointe-Claire-Dorval, Quebec, Canada

(Bioactive Molecules, 11)

Important advances have been made in the chemistry and biochemistry of the leukotrienes mainly as a result of the development of new biophysical and biochemical methodologies. The extraordinary effort of many scientists and the interactions of many scientific disciplines has created a vast amount of data and information and, with it, the need for a book addressing all aspects of this multidisciplinary field.

This book meets that need. It comprises six chapters which together provide a cohesive interdisciplinary coverage of the field, from the organic, analytical aspect to the biological sciences.

Among the subjects dealt with are many aspects of the leukotriene field which have not been covered in detail before, i.e. the numerous methodologies employed in the detection, localization and quantitation of lipoxygenase products; the role of leukotrienes in human disease states; leukotriene antagonists and lipoxygenase inhibitors, and potential therapeutic agents.

The book brings together a wide variety of material to give a valuable overview of this important subject. It will be useful to many scientists and will undoubtedly help stimulate future advances in the field of leukotrienes and lipoxygenases.

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